

? logon

*** It is now 2008/02/08 17:09:47 ***
(Dialog time 2008/02/08 17:09:47)

HIGHLIGHT set on as ' ' ' '
>>>100 is not in the range between 1 and 50, original value 30 is used.
IGOR705 is set ON as an alias for
2,9,15,16,20,35,65,77,99,148,160,233,256,275,347,348,349,474,475,476,583,6-
10,613,621,624,634,636,810,813
IGORMEDIC is set ON as an alias for
5,34,42,43,73,74,129,130,149,155,442,444,455
IGORINSUR is set ON as an alias for 169,625,637
IGORBANK is set ON as an alias for 139,267,268,625,626
IGORTRANS is set ON as an alias for 6,63,80,108,637
IGORSHOPCOUPON is set ON as an alias for 47,570,635,PAPERSMJ,PAPERSEU
IGORINVEN is set ON as an alias for 6,7,8,14,34,94,434
IGORFUNDTRANS is set ON as an alias for 608

? b igor705

>>> 77 does not exist
>>> 233 does not exist
>>>2 of the specified files are not available
08feb08 17:09:56 User268082 Session C26.1
\$0.00 0.240 DialUnits File415
\$0.00 Estimated cost File415
\$0.03 INTERNET
\$0.03 Estimated cost this search
\$0.03 Estimated total session cost 0.240 DialUnits

SYSTEM:OS - DIALOG OneSearch
File 2:INSPEC 1898-2008/Jan W1
(c) 2008 Institution of Electrical Engineers
File 9:Business & Industry(R) Jul/1994-2008/Feb 07
(c) 2008 The Gale Group
File 15:ABI/Inform(R) 1971-2008/Feb 07
(c) 2008 ProQuest Info&Learning
File 16:Gale Group PROMT(R) 1990-2008/Feb 05
(c) 2008 The Gale Group
*File 16: Because of updating irregularities, the banner and the
update (UD=) may vary.
File 20:Dialog Global Reporter 1997-2008/Feb 07
(c) 2008 Dialog
File 35:Dissertation Abs Online 1861-2007/Oct
(c) 2007 ProQuest Info&Learning
File 65:Inside Conferences 1993-2008/Feb 08
(c) 2008 BLDSC all rts. reserv.
File 99:Wilson Appl. Sci & Tech Abs 1983-2008/Jan
(c) 2008 The HW Wilson Co.
File 148:Gale Group Trade & Industry DB 1976-2008/Jan 23
(c)2008 The Gale Group
*File 148: The CURRENT feature is not working in File 148.
See HELP NEWS148.
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 256:TecInfoSource 82-2008/Dec
(c) 2008 Info.Sources Inc

File 275:Gale Group Computer DB(TM) 1983-2008/Feb 04
(c) 2008 The Gale Group

File 347:JAPIO Dec 1976-2007/Oct(Updated 080129)
(c) 2008 JPO & JAPIO

*File 347: File Histories now available for ordering when searching via DialogLink 5 and Web products, see HELP FILEHIST for more information.

File 348:EUROPEAN PATENTS 1978-2007/ 200806
(c) 2008 European Patent Office

*File 348: For IPCR/8 information, see HELP NEWSIPCR.
To order File Histories, see HELP FILEHIST for details.

File 349:PCT FULLTEXT 1979-2008/UB=20080131UT=20080124
(c) 2008 WIPO/Thomson

*File 349: For IPCR/8 information, see HELP NEWSIPCR.
To order File Histories, see HELP FILEHIST for details.

File 474:New York Times Abs 1969-2008/Feb 07
(c) 2008 The New York Times

File 475:Wall Street Journal Abs 1973-2008/Feb 08
(c) 2008 The New York Times

File 476:Financial Times Fulltext 1982-2008/Feb 08
(c) 2008 Financial Times Ltd

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group

*File 583: This file is no longer updating as of 12-13-2002.

File 610:Business Wire 1999-2008/Feb 04
(c) 2008 Business Wire.

*File 610: File 610 now contains data from 3/99 forward.
Archive data (1986-2/99) is available in File 810.

File 613:PR Newswire 1999-2008/Feb 04
(c) 2008 PR Newswire Association Inc

*File 613: File 613 now contains data from 5/99 forward.
Archive data (1987-4/99) is available in File 813.

File 621:Gale Group New Prod.Annou.(R) 1985-2008/Jan 24
(c) 2008 The Gale Group

File 624:McGraw-Hill Publications 1985-2008/Feb 08
(c) 2008 McGraw-Hill Co. Inc

*File 624: Homeland Security & Defense and 9 Platt energy journals added
Please see HELP NEWS624 for more

File 634:San Jose Mercury Jun 1985-2008/Feb 06
(c) 2008 San Jose Mercury News

File 636:Gale Group Newsletter DB(TM) 1987-2008/Feb 06
(c) 2008 The Gale Group

File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire

File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

| Set | Items | Description |
|-----|-------|-------------|
| --- | ----- | ----- |

? s (meter (3n) license) (w) (issu??? or assign???) (w) vendor

Processing
Processing
Processing
Processing

Processing

Processed 10 of 27 files ...

Processing

Completed processing all files

```
        600185 METER
        2144164 LICENSE
        21833758 ISSU???
        1908098 ASSIGN???
        1511830 VENDOR
S1          0 (METER (3N) LICENSE ) (W) (ISSU??? OR ASSIGN???) (W)
              VENDOR
```

? s (without (w) (meter (3n) license)) (30n) postage

Processing

```
        15557142 WITHOUT
        600185 METER
        2144164 LICENSE
        118527 POSTAGE
S2          0 (WITHOUT (W) (METER (3N) LICENSE ) ) (30N) POSTAGE
```

? s (meter (3n) license) and (issu??? or assign???) and vendor

Processing

Processing

Processing

Processing

Processed 10 of 27 files ...

Completed processing all files

```
        600185 METER
        2144164 LICENSE
        393 METER (3N) LICENSE
        21833758 ISSU???
        1908098 ASSIGN???
        1511830 VENDOR
S3          50 (METER (3N) LICENSE ) AND (ISSU??? OR ASSIGN???) AND
              VENDOR
```

? s (meter (3n) license) (w) vendor

```
        600185 METER
        2144164 LICENSE
        1511830 VENDOR
S4          0 (METER (3N) LICENSE ) (W) VENDOR
```

? s (meter (3n) license) (w) postage

```
        600185 METER
        2144164 LICENSE
        118527 POSTAGE
S5          1 (METER (3N) LICENSE ) (W) POSTAGE
```

? t s5/3,k/1

Dialog eLink: Order File History

5/3K/1 (Item 1 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

(c) 2008 European Patent Office. All rights reserved.

01093453

Method and apparatus for distributing keys to secure devices such as a postage meter

Verfahren und Vorrichtung zur Verteilung von Schlüsseln für gesicherte Geräte wie eine Frankiermaschine

Procédé et appareil de distribution de clés pour protéger des dispositifs tel qu'une machine à affranchir

Patent Assignee:

- **PITNEY BOWES INC.;** (244957)
World Headquarter, One Elmcroft Road; Stamford, Connecticut 06926-0700; (US)
(Applicant designated States: all)

Inventor:

- **Cordery, Robert A.**
11 1/2 Jeanette Street; Danbury, CT 06811; (US)
- **Ryan, Jr., Frederick W.**
4 Naples Lane; Oxford, CT 06478; (US)
- **Singer, Ari P.**
169 School Street Apt 11 B; Hamden, CT 06518; (US)

Legal Representative:

- **HOFFMANN - EITLE (101511)**
Patent- und Rechtsanwälte Arabellastrasse 4; 81925 München; (DE)

| | Country | Number | Kind | Date | |
|-------------|---------|----------|------|----------|---------|
| Patent | EP | 961240 | A2 | 19991201 | (Basic) |
| | EP | 961240 | A3 | 20001115 | |
| Application | EP | 99109218 | | 19990521 | |
| Priorities | US | 82698 | | 19980521 | |

Designated States:

DE; FR; GB;

Extended Designated States:

AL; LT; LV; MK; RO; SI;

International Patent Class (V7): G07B-017/00; H04L-009/08**Abstract Word Count:** 132

NOTE: 3

NOTE: Figure number on first page: 3

Legal Status

| Type | Pub. Date | Kind | Text |
|------|-----------|------|------|
|------|-----------|------|------|

Language

Publication: English

Procedural: English

Application: English

Fulltext Availability

| Available Text | Language | Update | Word Count |
|---------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | 9948 | 867 |
| SPEC A | (English) | 9948 | 3755 |
| Total Word Count (Document A) 4622 | | | |
| Total Word Count (Document B) 0 | | | |
| Total Word Count (All Documents) 4622 | | | |

Specification: ...it to the IBIP infrastructure. The IBIP certificate authority signs a certificate with the postage meter number, postage meter license number, postage meter public key, and other data. The IBIP infrastructure returns the certificate to the postage meter...

? ds

| Set | Items | Description |
|-----|-------|--|
| S1 | 0 | (METER (3N) LICENSE) (W) (ISSU??? OR ASSIGN???) (W) VEND- OR |
| S2 | 0 | (WITHOUT (W) (METER (3N) LICENSE)) (30N) POSTAGE |
| S3 | 50 | (METER (3N) LICENSE) AND (ISSU??? OR ASSIGN???) AND VEND- OR |
| S4 | 0 | (METER (3N) LICENSE) (W) VENDOR |
| S5 | 1 | (METER (3N) LICENSE) (W) POSTAGE |

? t s3/3,k/1-50

3/3,K/1 (Item 1 from file: 9)

DIALOG(R)File 9: Business & Industry(R)

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01819656 Supplier Number: 24620330 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Web-to-Host Software: Unlock the Profits – New packages help companies mine the big iron. But

are e-commerce gains worth the performance and security pains?

(Number of vendors offer Web-to-host software packages that provide point-and-click access to mainframe data from anywhere in world; market for Web-to-host software will reach \$1 bil in 2002, vs \$24 mil in 1997)

Data Communications , p 34

April 21, 1999

Document Type: Journal (United States)

Language: English **Record Type:** Fulltext

Word Count: 3254 (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...don't let mere testimonials substitute for real knowledge; learn how the technology works. Every **vendor** sells emulation server software that runs on NT, Unix, or Web-server platforms. The emulation...

...the emulation server could slow things down.

How does the tier-count break down by **vendor**? Cisco; Data Interface Systems; Eicon, with its Aviva for Java; Futuresoft Engineering Inc. (Houston), with...

...the browser and the intermediate Web server (since both come from one manufacturer). If that **vendor** also makes the SNA gateway installed by the host, that part of the session also...

...running in the network. The Jump server (which costs \$1,600 extra) lets net managers **meter license** usage, configure access control, and monitor performance of clients without impacting performance, the **vendor** says.

There's one more thing to keep in mind when it comes to management...

...these products offer, prospective customers might not want to spend time on the more mundane **issues**. But that doesn't mean they should overlook them-especially when it comes to print...

...This site furnishes training materials that can help net managers come up to speed on **issues** involving Web browser and SNA integration.

- <http://pclt.cis.yale.edu/pclt/COMM/SNA.HTM...>

3/3,K/2 (Item 1 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01889625 05-40617

It beats licking, but online postage isn't for everyone

Himowitz, Michael J

Fortune v140n6 pp: 278

Sep 27, 1999

ISSN: 0015-8259 **Journal Code:** FOR

Word Count: 643

Abstract:

...surrendering their stamp books. One person's experience with E-stamp, the first PC postage **vendor** to win approval from the US Postal Service, is related. The company's \$49 startup...

Text:

...book.

I signed up with E-stamp of San Mateo, Calif., the first PC postage **vendor** to win approval from the U.S. Postal Service. The company's \$49 startup package...

...you download from E-stamp's Website so that you can print stamps offline. Rival **vendor** Stamps.com, which goes live Sept. 27, doesn't require special hardware, but you must...

...ll have to wait up to 24 hours for the Postal Service to approve your **meter license**. Eventually you'll be able to buy postage with a credit card, but for now...

...pre-addressed envelope or run off a bunch of labels.

Then there's the cost **issue**. E-stamp adds a 10% "convenience fee" to your purchases, with a minimum fee of...

3/3,K/3 (Item 2 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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01812330 04-63321

Web-to-host software: Unlock the profits

Bruno, Lee

Data Communications v28n6 pp: 34-42

Apr 21, 1999

ISSN: 0363-6399 Journal Code: DCM

Word Count: 3076

Text:

...don't let mere testimonials substitute for real knowledge; learn how the technology works. Every **vendor** sells emulation server software that runs on NT, Unix, or Web-server platforms. The emulation...the emulation server could slow things down.

How does the tier-count break down by **vendor**? Cisco; Data Interface Systems; Eicon, with its Aviva for Java; Futuresoft Engineering Inc. (Houston), with...the browser and the intermediate Web server (since both come from one manufacturer). If that **vendor** also makes the SNA gateway installed by the host, that part of the session also...

...running in the network. The Jump server (which costs \$1,600 extra) lets net managers **meter license** usage, configure access control, and monitor performance of clients without impacting performance, the **vendor** says.

There's one more thing to keep in mind when it comes to management...

...these products offer, prospective customers might not want to spend time on the more mundane **issues**. But that doesn't mean they should overlook them-especially when it comes to print...

3/3,K/4 (Item 3 from file: 15)

DIALOG(R)File 15: ABI/Inform(R)

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00915865 95-65257

Network management software for NetWare LANs

Ferrill, Paul

InfoWorld v16n38 pp: 108-121

Sep 19, 1994

ISSN: 0199-6649 **Journal Code:** IFW

Word Count: 11011

Text:

...one or a few network management functions; we'll review those products separately in future **issues**. (See "Other products for network management," page 120, for a partial list.)

For this product...

...manager, we started with a survey of our readers who administer networks to see what **issues** most concerned them. In network monitoring, the most important **issue** was activity logs--capturing the history of traffic and alarms. For workstation management there were...

...it's one of their highest-ranked concerns--right behind free technical support from the **vendor**.

NOVELLS PATH. In an effort to leverage its market leadership to other networking areas, Novell...

...greatly extends the types of alarms that NMS now provides. THE VENDORS. Each of these **vendor** takes a different approach to network management. Frye has its Swiss Army knife approach, in...loaded a number of obscure executables. including shareware and freeware, to see

how detailed the **vendor** databases were. We looked at what flexibility the administrator had in scheduling inventory scans, how...
SUPPORT:

Support policies: We awarded a satisfactory score for unlimited free telephone support from the **vendor**. We added bonus points for support via a fax-back service, on-line services (CompuServe...network monitoring, and it's the only product in this comparison that puts all the **vendor**'s tools in a single Windows product.

The main new item is "snap-in" compatibility...did not test this. We reviewed LANlord, Version 2.0, in the Sept. 13, 1993, **issue** (see "LANlord 2.0 is robust workstation manager, page 93). XTree Tools for

Networks, Version...limitation). Database insertions happen at the rate of just two per second, according to the **vendor**; a 5,000-file update would take more than 41 minutes.

The hardware inventory is...

...simply track its usage. All metering is done on a group basis; thus we could **assign** a certain number of copies to one group and a different number to another group. LANlord also gave us the flexibility of **assigning** licenses by individual group or by the group "All," to which everybody belongs.

Users attempting...

...On the other hand, LANlord has no software distribution utility and for now can't **meter** a one-user **license**. Score: Good (62.50).

Company information: Symantec Corp., in Cupertino, Calif., can be reached at...the event agent, on the other hand, you have more flexibility; for example, you could **assign** a different level of alarm for a disk that was 60 percent full than for...

3/3,K/5 (Item 4 from file: 15)
DIALOG(R)File 15: ABI/Inform(R)
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00795988 94-45380
LAN tool enforces software licenses

Willett, Shawn
InfoWorld v15n49 pp: 45
Dec 6, 1993
ISSN: 0199-6649 **Journal Code:** IFW
Word Count: 364

Abstract:

hDC Computer Corp. recently introduced Express **Meter** 2.1, a **license** management product that tracks concurrent use of PC applications and enforces licensing agreements. Independent of...

Text:

...new tool to keep LAN managers one step ahead of the software piracy police.

Express **Meter** 2.1, a **license** management product for Windows applications, has been updated to work with DOS software. Express Meter...

...is exceeded, Express Meter can

lock users out and put them on a waiting list, **issue** a warning, or go into "quiet watch" mode. Davis said the quiet watch mode, used in cooperation with the application software **vendor**, re-evaluates the necessary number of licenses.

Managers can also **issue** reports on concurrent use and list those

users waiting for particular applications.

Some users found...

3/3,K/6 (Item 1 from file: 16)

DIALOG(R)File 16: Gale Group PROMT(R)

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12668385 **Supplier Number: 138181077 (USE FORMAT 7 FOR FULLTEXT)**

System Integrators Announces Component License Broker(TM) 7.0 to Track and Manage Components in Addition to Application Metering.

PR Newswire , p NA

Oct 31 , 2005

Language: English **Record Type:** Fulltext

Document Type: Newswire ; Trade

Word Count: 598

(USE FORMAT 7 FOR FULLTEXT)

Text:

...License Broker(TM) includes Component License Broker(TM). In-line with System Integrators' commitment to **meter** all code, Component **License** Broker(TM) now allows administrators to meter COM and ActiveX DLLs and OCXs in real...

...functionality, System Integrators is once again quick to identify the need and add support within **License** Broker(TM) to **meter** such widgets. With Component License Broker(TM) now customers can not only meter all code...

...administrator(s) and hence can be set to restrict access to software to comply with **vendor** license agreements in real-time, as well prevent access to games, music file swapping programs...

...including PC configuration information. The tool also allows network administrators to quickly resolve help-desk **issues** without a trip to end-user PC station. The tool is easy-to-use and...

3/3,K/7 (Item 2 from file: 16)

DIALOG(R)File 16: Gale Group PROMT(R)

(c) 2008 The Gale Group. All rights reserved.

07861815 **Supplier Number: 65639118 (USE FORMAT 7 FOR FULLTEXT)**

J.D. Edwards Announces General Availability of OneWorld Xe, the Collaborative Commerce Enabler for the Internet Economy.

PR Newswire , p NA

Oct 2 , 2000

Language: English **Record Type:** Fulltext

Document Type: Newswire ; Trade

Word Count: 1907

...requests, inquire on orders, receipts, inventory levels and payment information; and carriers can inquire on **assigned** loads and shipments.

Comprehensive Solution Set

OneWorld Xe will include some 300 Internet-ready applications...

Workbench

- Certificate of Analysis
- Lot Trace Track Management
- Serial Number Trace Track Management
- Inventory Management
- **Vendor** Managed Inventory (VMI)
- Container Management:
- Container Deposit Inquiry
- Container Transaction Inquiry
- Container Serial Tracking
- Container...

...Quote/Bid Entry

- Requisition Workbench
- Requisition Entry
- Blanket and Contract Order Process
- Change Order Process
- **Vendor** Schedule Process
- Landed Cost Calculator
- Electronic Approval Process
- Receiving Process (Non-Advanced Warehouse)
- 2-way...

...Set-up

- Templates
- Budgeting
- Commitments
- Forecasting
- Profit Recognition
- Work-in-Progress Capitalization
- Project Change Management:
- **Issue** Identification
- Change Request Processing
- Budget Integration
- Integrated Contract Awards
- Proposed Change Order Processing
- Change Order...

...Revenue Billing and Tracking

- Plant and Equipment Maintenance Management:
- Equipment/Component Relationships
- Equipment/Component Workbench
- **Meter** Readings Management
- Permit/**License** Management
- Cost Workbench by Repair/Reason Code
- Equipment Time Billing
- Equipment Location Tracking
- Equipment Preventive...

3/3,K/8 (Item 3 from file: 16)

DIALOG(R)File 16: Gale Group PROMT(R)

(c) 2008 The Gale Group. All rights reserved.

06277279 **Supplier Number:** 54409747 (USE FORMAT 7 FOR FULLTEXT)

Web-to-Host Software: Unlock the Profits -- New packages help companies mine the big iron. But are e-commerce gains worth the performance and security pains?(Buyers Guide)

Bruno, Lee

Data Communications , p 34(1)

April 21 , 1999

Language: English **Record Type:** Fulltext

Article Type: Buyers Guide

Document Type: Magazine/Journal ; Trade

Word Count: 3368

...don't let mere testimonials substitute for real knowledge; learn how the technology works. Every **vendor** sells emulation server software that runs on NT, Unix, or Web-server platforms. The emulation...the emulation server could slow things down.

How does the tier-count break down by **vendor**? Cisco; Data Interface Systems; Eicon, with its Aviva for Java; Futuresoft Engineering Inc. (Houston), with...the browser and the intermediate Web server (since both come from one manufacturer). If that **vendor** also makes the SNA gateway installed by the host, that part of the session also...

...running in the network. The Jump server (which costs \$1,600 extra) lets net managers **meter license** usage, configure access control, and monitor performance of clients without impacting performance, the **vendor** says.

There's one more thing to keep in mind when it comes to management...

...these products offer, prospective customers might not want to spend time on the more mundane **issues**. But that doesn't mean they should overlook them-especially when it comes to print...This site furnishes training materials that can help net managers come up to speed on **issues** involving Web browser and SNA integration.

- <http://pclt.cis.yale.edu/pclt/COMM/SNA.HTM...>

3/3,K/9 (Item 4 from file: 16)

DIALOG(R)File 16: Gale Group PROMT(R)

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04687843 **Supplier Number:** 46900033 (USE FORMAT 7 FOR FULLTEXT)

A question of scale, part 1

InfoWorld , p 102

Nov 18 , 1996

Language: English **Record Type:** Fulltext

Document Type: Magazine/Journal ; Trade

Word Count: 5518

...Microsoft Corp.'s Systems Management Server 1.2 teamed up with WRQ Inc.'s Express **Meter** 3.5 **license**-metering software and Seagate WinInstall package-creation tools from Seagate Software, Network and Systems Management...

...1-designed components in Windows 95 and doesn't even begin to address the myriad **issues** introduced by Windows NT clients.

In terms of meeting our policy needs, Norton Administrator's...to installing a Windows NT server at each site, which carries its own set of **issues**, especially in NetWare-focused shops.

Implementation

SMS solution: SATISFACTORY

A product with goals as ambitious...by date, time, and number of changes.

The inventory scan also detects a number of **vendor**-specific configuration items, offering extra support for AST, Dell, Hewlett-Packard, Compaq, and IBM machines...

3/3,K/10 (Item 1 from file: 20)

DIALOG(R)File 20: Dialog Global Reporter

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47927764

PR Newswire Summary of High Tech Copy, March 23, 2006

PR NEWSWIRE (US)

March 23, 2006

Journal Code: WPRU Language: English Record Type: FULLTEXT

Word Count: 3183

...07:00 r f bc-PA-Agere-NVIDIA (ALLENTOWN) Agere Systems Achieves NVIDIA Corporation Approved **Vendor** List for Gigabit Ethernet PHY Chip

SFTH019 03/23/2006 07:00 r f bc...03/23/2006 11:46 r f

bc-Power-Meter-Technology (ZHUHAI) Actions Semiconductor to **License**

Its Power **Meter** Technology CLTH038 03/23/2006 11:47 r f

bc-OH-Diebold-Pointrac (NORTH CANTON...

...12:51 r f bc-CA-Clearwell-cool-ven (SANTA CLARA) Clearwell Systems Named 'Cool **Vendor**' by Leading Analyst Firm SFTH055 03/23/2006

12:57 r f bc-CA-4INFO...

Descriptors:

...Law & Legal **Issues;**

3/3,K/11 (Item 2 from file: 20)

DIALOG(R)File 20: Dialog Global Reporter

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45315257 (USE FORMAT 7 OR 9 FOR FULLTEXT)

System Integrators Announces Component License Broker(TM) 7.0 to Track and Manage Components in Addition to Application Metering

PR NEWSWIRE (US)

October 31, 2005

Journal Code: WPRU Language: English Record Type: FULLTEXT

Word Count: 533

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...License Broker(TM) includes Component License Broker(TM). In-line with

System Integrators' commitment to **meter** all code, Component License Broker(TM) now allows administrators to meter COM and ActiveX DLLs and OCXs in real...

...functionality, System Integrators is once again quick to identify the need and add support within **License Broker(TM)** to **meter** such widgets. With Component License Broker(TM) now customers can not only meter all code...

...administrator(s) and hence can be set to restrict access to software to comply with **vendor** license agreements in real-time, as well prevent access to games, music file swapping programs...

...including PC configuration information. The tool also allows network administrators to quickly resolve help-desk **issues** without a trip to end-user PC station. The tool is easy-to-use and...

3/3,K/12 (Item 3 from file: 20)
DIALOG(R)File 20: Dialog Global Reporter
(c) 2008 Dialog. All rights reserved.

13106719 (USE FORMAT 7 OR 9 FOR FULLTEXT)
J.D. Edwards Announces General Availability of OneWorld Xe, -2-

PR NEWSWIRE

October 02, 2000

Journal Code: WPRW **Language:** English **Record Type:** FULLTEXT

Word Count: 1007

...Quote/Bid Entry -- Requisition Workbench -- Requisition Entry -- Blanket and Contract Order Process -- Change Order Process -- **Vendor** Schedule Process -- Landed Cost Calculator -- Electronic Approval Process -- Receiving Process (Non-Advanced Warehouse) -- 2-way...

...Set-up -- Templates -- Budgeting -- Commitments -- Forecasting -- Profit Recognition -- Work-in-Progress Capitalization -- Project Change Management: -- **Issue** Identification -- Change Request Processing -- Budget Integration -- Integrated Contract Awards -- Proposed Change Order Processing -- Change Order...

...Revenue Billing and Tracking -- Plant and Equipment Maintenance Management: -- Equipment/Component Relationships -- Equipment/Component Workbench -- **Meter** Readings Management -- Permit/**License** Management -- Cost Workbench by Repair/Reason Code -- Equipment Time Billing -- Equipment Location Tracking -- Equipment Preventive...

3/3,K/13 (Item 1 from file: 148)
DIALOG(R)File 148: Gale Group Trade & Industry DB
(c)2008 The Gale Group. All rights reserved.

0018868760 **Supplier Number:** 138181077 (USE FORMAT 7 OR 9 FOR FULL TEXT)
System Integrators Announces Component License Broker(TM) 7.0 to Track and Manage Components in Addition to Application Metering.

PR Newswire , NA
Oct 31 , 2005
Language: English
Record Type: Fulltext
Word Count: 598 **Line Count:** 00054

Text:

...License Broker(TM) includes Component License Broker(TM). In-line with System Integrators' commitment to **meter** all code, Component **License** Broker(TM) now allows administrators to meter COM and ActiveX DLLs and OCXs in real...

...functionality, System Integrators is once again quick to identify the need and add support within **License** Broker(TM) to **meter** such widgets. With Component License Broker(TM) now customers can not only meter all code...

...administrator(s) and hence can be set to restrict access to software to comply with **vendor** license agreements in real-time, as well prevent access to games, music file swapping programs...

...including PC configuration information. The tool also allows network administrators to quickly resolve help-desk **issues** without a trip to end-user PC station. The tool is easy-to-use and...

3/3,K/14 (Item 2 from file: 148)
DIALOG(R)File 148: Gale Group Trade & Industry DB
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15562041 **Supplier Number:** 98372057 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Content analysis part 3: the content industry under analysis.

Solomon, Marc
Searcher , 11 , 3 , 68(5)
March , 2003
ISSN: 1070-4795
Language: English
Record Type: Fulltext
Word Count: 3719 **Line Count:** 00313

...the market research firm Outsell, corporate content buyers continue to slash costs and narrow their **vendor** pools. Other changes portend a smaller pie to slice:

* Content spending plunged from 49 percent sums up the current **vendor** consensus as a retreat from one-size-fits-all solutions. McCabe goes one step further...hand, they still don't want to slog through piles of output to declare victory.

Vendor Side: Thinking Outside the In-Box
So what's holding content suppliers back from providing...worlds have not been rocked and they can logoff without disruption.

Opportunity: The Hype-O-Meter measures the **license** the media takes to inflate interest in stories unprovocative in their undistorted state. Reporting the...the past several years, the production and the consumption of integrated content have become overriding

issues in both the academic and financial segments. A recent Accenture study claims that \$13 billion per ...corporate portals snowed under from poor filtering and erratic content management practices. Internal adoption of **vendor** taxonomies brings order ...we stand out?

* Reactive News -- How can we blend in?

How far away is the **vendor** community from fielding these questions? Take our Google-Nexis search test. Enter the query "a...

3/3,K/15 (Item 3 from file: 148)

DIALOG(R)File 148: Gale Group Trade & Industry DB

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12637180 **Supplier Number:** 65639118 (USE FORMAT 7 OR 9 FOR FULL TEXT)

J.D. Edwards Announces General Availability of OneWorld Xe, the Collaborative Commerce Enabler for the Internet Economy.

PR Newswire , NA

Oct 2 , 2000

Language: English

Record Type: Fulltext

Word Count: 1981 **Line Count:** 00226

...requests, inquire on orders, receipts, inventory levels and payment information; and carriers can inquire on **assigned** loads and shipments.

Comprehensive Solution Set

OneWorld Xe will include some 300 Internet-ready applications...

Workbench

- Certificate of Analysis
- Lot Trace Track Management
- Serial Number Trace Track Management
- Inventory Management
- **Vendor** Managed Inventory (VMI)
- Container Management:
- Container Deposit Inquiry
- Container Transaction Inquiry
- Container Serial Tracking
- Container...

...Quote/Bid Entry

- Requisition Workbench
- Requisition Entry
- Blanket and Contract Order Process
- Change Order Process
- **Vendor** Schedule Process
- Landed Cost Calculator
- Electronic Approval Process
- Receiving Process (Non-Advanced Warehouse)
- 2-way...

...Set-up

- Templates
- Budgeting
- Commitments
- Forecasting

- Profit Recognition
- Work-in-Progress Capitalization
- Project Change Management:
- **Issue** Identification
- Change Request Processing
- Budget Integration
- Integrated Contract Awards
- Proposed Change Order Processing
- Change Order...

...Revenue Billing and Tracking

- Plant and Equipment Maintenance Management:
- Equipment/Component Relationships
- Equipment/Component Workbench
- **Meter** Readings Management
- Permit/**License** Management
- Cost Workbench by Repair/Reason Code
- Equipment Time Billing
- Equipment Location Tracking
- Equipment Preventive...

3/3,K/16 (Item 4 from file: 148)
DIALOG(R)File 148: Gale Group Trade & Industry DB
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09103916 **Supplier Number:** 18869793 (USE FORMAT 7 OR 9 FOR FULL TEXT)
A question of scale. (Microsoft Systems Management Server, Symantec Norton Administrator desktop management solutions reviewed and compared) (includes related articles on results at a glance, managing Windows) (Software Review)(Evaluation)

Blumenthal, Holly
InfoWorld , v18 , n47 , p102(11)
Nov 18 , 1996
Document Type: Evaluation
ISSN: 0199-6649
Language: English
Record Type: Fulltext; Abstract
Word Count: 11927 **Line Count:** 00975

...Microsoft Corp.'s Systems Management Server 1.2 teamed up with WRQ Inc.'s Express **Meter** 3.5 **license**-metering software and Seagate WinInstall package-creation tools from Seagate Software, Network and Systems Management...

...1-designed components in Windows 95 and doesn't even begin to address the myriad **issues** introduced by Windows NT clients.

In terms of meeting our policy needs, Norton Administrator's...to installing a Windows NT server at each site, which carries its own set of **issues**, especially in NetWare-focused shops.

Implementation

SMS solution: SATISFACTORY

A product with goals as ambitious...by date, time, and number of changes.

The inventory scan also detects a number of **vendor**-specific configuration items, offering extra support for AST, Dell, Hewlett-Packard, Compaq, and IBM machines...4.1.

Norton Administrator does support a number of licensing policies, making it easy to **assign** restrictive license metering on a per-application level, and software suites can be defined by...

...through the job-definition interface itself.

Further control over intersite communication is made possible by **assigning** priority levels on an hourly basis for the outbox associated with each site address. These priorities are then compared with the priorities **assigned** to the jobs themselves to determine when and how jobs should be moved across sites.

SMS doesn't handle security **issues** itself, instead leveraging its integration with SQL Server. All security for the SMS administrator console is done within SQL Server by **assigning** SQL Server IDs rights to SMS' various tables. The SMS Security Manager utility provides a...

...within the SMS database, either free-form or by using templates. A user can be **assigned** Full, View, or No Access to each major management object (package, alerts, jobs, machine groups...

...configurations within a site were amplified when crossing sites, but once we understood all the **issues** involved in getting it set up, the remote control ran nearly as well across our distribution job-laden WAN links as it did within a single site.

Express **Meter** provides excellent **license**-metering functions, but they must be deployed and maintained outside of SMS. Fortunately, Express Meter...its core. Combining SMS with WinInstall addressed SMS' lack of package-creation tools, and Express **Meter** provided top-notch **license** metering, although neither package was as fully integrated with SMS as we would have liked...

...when only the traditional TSR version was installed on NT workstations. In pursuit of the **issue**, we uncovered more problems than we solved.

Uh oh...

Our test plan originally called for...and would have to manually change their default home page and other customized settings.

The **issue** boiled down to a combination of NT not providing a standard way for applications to...

3/3,K/17 (Item 5 from file: 148)

DIALOG(R)File 148: Gale Group Trade & Industry DB

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07522719 **Supplier Number:** 16251732 (USE FORMAT 7 OR 9 FOR FULL TEXT)

LANlord 2.1 and XTree Tools for Networks 1.5. (Central Point Software's network management software suite) (one of four evaluations of four network management software suites) (Software Review) (Network Management Software for NetWare LANs) (Evaluation)

Ferrill, Paul

InfoWorld , v16 , n38 , p113(4)

Sept 19 , 1994

Document Type: Evaluation

ISSN: 0199-6649

Language: ENGLISH

Record Type: FULLTEXT; ABSTRACT

Word Count: 1738 **Line Count:** 00138

...did not test this. We reviewed LANlord, Version 2.0, in the Sept. 13, 1993, **issue** (see "LANlord 2.0 is robust workstation manager," page 93). XTree Tools for Networks, Version...
...limitation). Database insertions happen at the rate of just two per second, according to the **vendor**; a 5,000-file update would take more than 41 minutes.

The hardware inventory is done on a group basis; thus we could **assign** a certain number of copies to one group and a different number to another group. LANlord also gave us the flexibility of **assigning** licenses by individual group or by the group "All," to which everybody belongs.

Users attempting...

...On the other hand, LANlord has no software distribution utility and for now can't **meter** a one-user **license**. Score: Good (62.50).

Company information: Symantec Corp., in Cupertino, Calif., can be reached at...

3/3,K/18 (Item 6 from file: 148)

DIALOG(R)File 148: Gale Group Trade & Industry DB

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07175687 **Supplier Number: 15060180 (USE FORMAT 7 OR 9 FOR FULL TEXT)**
Integrated office suites. (most popular software in 1993) (includes related article on network licensing issues) (Enterprise Computing)

Van Kirk, Doug

InfoWorld , v16 , n6 , p51(2)

Feb 7 , 1994

ISSN: 0199-6649

Language: ENGLISH

Record Type: FULLTEXT; ABSTRACT

Word Count: 2599 Line Count: 00204

Integrated office suites. (most popular software in 1993) (includes related article on network licensing issues) (Enterprise Computing)

...few companies can resist.

There are some drawbacks, of course. For starters, no single software vendor is going to have the optimum package in every application category. Software suites have more...

...in a desire to exact customer loyalty as it is in the belief by each vendor that its products are the best.

Borland's approach to integration hinges on OBEX, the...programs.

Despite the integration efforts, it remains to be seen whether this is an important issue with users. None of the users we contacted for this story reported any significant integration...

...similar menus are across their products.

But some users aren't convinced it's an issue. Sara Lee Corp., in Chicago, is buying Microsoft Office for its laptop users, but not... difficult for network license managers to administer; only the Redmond-based HDC Corp.'s new license manager -- Express Meter -- is smart enough to automatically check out copies of other suite applications when one program...

3/3,K/19 (Item 7 from file: 148)
DIALOG(R)File 148: Gale Group Trade & Industry DB
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06770373 **Supplier Number:** 14618356 (USE FORMAT 7 OR 9 FOR FULL TEXT)
LAN tool enforces software licenses: Windows app now supports DOS. (hDC Computer Corp.'s Express Meter 2.1 local area network management software) (Brief Article) (Product Announcement)

Willett, Shawn
InfoWorld , v15 , n49 , p45(1)
Dec 6 , 1993
Document Type: Product Announcement
ISSN: 0199-6649
Language: ENGLISH
Record Type: FULLTEXT
Word Count: 388 **Line Count:** 00029

Express **Meter** 2.1, a **license** management product for Windows applications, has been updated to work with DOS software. Express Meter...

...is exceeded, Express Meter can lock users out and put them on a waiting list, **issue** a warning, or go into "quiet watch" mode.

Davis said the quiet watch mode, used in cooperation with the application software **vendor**, re-evaluates the necessary number of licenses.

Managers can also **issue** reports on concurrent use and list those users waiting for particular applications.

Some users found...

3/3,K/20 (Item 8 from file: 148)
DIALOG(R)File 148: Gale Group Trade & Industry DB
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06453596 **Supplier Number:** 13858705 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Recovery and redistribution: preliminary 1992 financial results and 1993 outlook. (US information technology industry) (Industry Overview)

Computer Industry Report , v28 , n8 , p1(7)
Feb 26 , 1993
Document Type: Industry Overview
ISSN: 0889-082X
Language: ENGLISH
Record Type: FULLTEXT; ABSTRACT
Word Count: 5259 **Line Count:** 00405

...following discussion of separate sections of the IDC database will address some of the pressing **issues** creating these divisions.

Computer Systems

The contrast between winners and losers does not get much...But suppliers will not be focused on price alone. They will emphasize service and support **issues** and enhanced feature sets and will attempt to

augment existing channel relationships and tap new...systems and other data-center-oriented programs like IBM's SystemView. Even when a systems **vendor** has best-of-breed code, as Digital has with its sophisticated middleware for tool interoperation...

...market by declining to move its software to a wide range of other platforms.

Similar **issues** helped determine the winners and losers in the high-end segment of the software market...

...or obstruct their topology choices. Currently a few vendors are examining the option of embedded **license** management software to **meter** concurrent users. IDC expects the first practical implementations of this innovation in 1993.

Among others...inevitably bring to the table. Systems vendors will counter that they understand the environment and **issues** in commercial computing better than the Beltway bandits.

To a significant degree, they will both...

3/3,K/21 (Item 1 from file: 275)
DIALOG(R)File 275: Gale Group Computer DB(TM)
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02686540 **Supplier Number: 98372057 (Use Format 7 Or 9 For FULL TEXT)**
Content analysis part 3: the content industry under analysis.

Solomon, Marc
Searcher , 11 , 3 , 68(5)
March , 2003
ISSN: 1070-4795

Language: English Record Type: Fulltext
Word Count: 3719 Line Count: 00313

...the market research firm Outsell, corporate content buyers continue to slash costs and narrow their **vendor** pools. Other changes portend a smaller pie to slice:

* Content spending plunged from 49 percent sums up the current **vendor** consensus as a retreat from one-size-fits-all solutions. McCabe goes one step further...hand, they still don't want to slog through piles of output to declare victory.

Vendor Side: Thinking Outside the In-Box

So what's holding content suppliers back from providing...worlds have not been rocked and they can logoff without disruption.

Opportunity: The Hype-O-**Meter** measures the **license** the media takes to inflate interest in stories unprovocative in their undistorted state. Reporting the...the past several years, the production and the consumption of integrated content have become overriding **issues** in both the academic and financial segments. A recent Accenture study claims that \$13 billion per ...corporate portals snowed under from poor filtering and erratic content management practices. Internal adoption of **vendor** taxonomies brings order ...we stand out?

* Reactive News -- How can we blend in?

How far away is the **vendor** community from fielding these questions? Take our Google-Nexis search test. Enter the query "a...

3/3,K/22 (Item 2 from file: 275)
DIALOG(R)File 275: Gale Group Computer DB(TM)
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01853941 **Supplier Number: 17507761 (Use Format 7 Or 9 For FULL TEXT)**
Network management.(LAN Buyers Guide Issue)(Buyers Guide)

LAN Magazine , v10 , n10 , p201(51)
Oct 15 , 1995

Document Type: Buyers Guide
ISSN: 1069-5621

Language: English **Record Type:** Fulltext; Abstract

Word Count: 48741 **Line Count:** 04035

Network management.(LAN Buyers Guide Issue)(Buyers Guide)

...3.x and 4.x, VINES, and Windows NT. It duplicates data directly between different vendor databases. Replication alternatives include transaction-based, mirroring, and selective data duplication. It is fault tolerant...and provides reporting functions. It costs \$449 for 50 nodes.

U & G INFOSYSTEMS

LANWATCH MON LICENSE METER 1.01

LANWatch Mon License Meter 1.01, designed for NetWare

3.x and 4.x, automatically inventories software-only components...control server tasks. It can also distribute and control tasks at workstations. Its script capability assigns tasks, makes decisions, and executes jobs on target agents. It costs \$495 per server.

KNOZALL...

...can run automatically, and jobs can be processed 24-hours a day. Its script capability assigns tasks, makes decisions, and executes jobs on clients. It costs \$2,195 for 1 administrative...over NetWare 3.x, NetWare 4.x, and Windows NT. It tracks disk usage, applications assigned to users, permissions, and Windows files, such as INI. Configuration functions include application, user profiles...Fiber Optic training videos come in a set of 10 training tapes that address the issues and techniques in today's fiber industry. Titles include Introduction to Fiber Optics, Fiber Optic...agencies.

US WEST

ENTERPRISE DATA NETWORK TRAINING

Enterprise Data Network Training seminars include courses covering vendor-specific product training, environment-specific overviews, vendor-certification programs, and general datacom education. Courses are offered in cities nationwide and provide hands...

3/3,K/23 (Item 3 from file: 275)
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3/3,K/24 (Item 4 from file: 275)
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01699761 **Supplier Number: 16064076 (Use Format 7 Or 9 For FULL TEXT)**
When licensing C/S software, one size does not fit all. (client/server software licensing)

Korzeniowski, Paul

Software Magazine , v14 , n6 , p73(5)

June , 1994

ISSN: 0897-8085

Language: ENGLISH Record Type: FULLTEXT; ABSTRACT

Word Count: 2933 Line Count: 00258

...but, like vendors, are unclear about how to fix them. "Software pricing is a dynamic **issue** because many users are confused about their options," said Jack Wakefield, consulting partner, Culpepper and...

...costs so firms can more easily set their budgets.

Such programs are also addressing downsizing **issues**, which have created problems for software vendors. Unix workstations are rapidly increasing in processing power...will differentiate our products by features rather than via pricing."

There have been signs of **vendor** cooperation on licensing **issues**. The Open Software Foundation (OSF), Cambridge, Mass., is trying to forge common application programming interfaces (APIs) so license managers can share information.

Vendor consortiums are also trying to fill the licensing standards void. In May 1992 a group...

...packages.

The OSF's Distributed Management Environment (DME), designed to tackle network and systems management **issues**, includes an add-on licensing module based on the Network Licensing System from HP and...

...circle the corresponding reader service number on the reader service card located elsewhere in this **issue**. Compiled by Products Editor Deborah Melewski.

| COMPANY | PRODUCT/CIRCLE NO. | COMMENT |
|-----------------------------------|--|--|
| D&G Infosystems Hempstead, NY | LANWatchMan License Meter | Novell NetWare, |
| MS-Windows; software | Circle No. 350 | applications license metering |
| Elan Computer | Elan License | Unix; MS... |
| ...MA | Circle No. 352 | software licensing for distribute client/server environments |
| HDC Computer Corp. Redmond, WA | Express Meter Circle No. 353 | Metering, management for MS- Windows networks |
| Highland Digital | Flexible License | VMS... |
| ...356 | OS/2, Macintosh; | |

| | | |
|---------------------------------------|-----------------------------|---|
| | | software |
| | | metering, license |
| | | management |
| Trellis Princeton, NJ and asset | Application Meter | Server-based software license |
| | Circle No. 357 | management for DOS, Windows |

Plugging the Meter

The licensing model...as electricity," said Cincom Systems' Dver. "The more a company uses it, the more the **vendor** receives."

Cincom outlined its plans to adopt usage-based pricing for Supra Server in January...

...company writing its own metering package raises an interesting question. "Would you trust a software **vendor** to also provide your usage information?" asked Darrell Ackmann, the director of business practices as ...

...to make their licensing agreements and systems more consistent. "Right now, licensing policies vary by **vendor** so it is difficult to outline any standards," admitted Ackmann.

Open User Recommended Solutions (Ours...

...spring of 1992, is trying to forge some consistency among suppliers' licensing agreements. The group **assigned** a special task force to outline software licensing **issues** that fall. In January 1993 the group released a white paper that tried to identify...

...licensing terms so that users and vendors could work with a consistent vocabulary regarding licensing **issues**. A growing number of vendors, including Software AG, are trying to incorporate Ours recommendations in...

...them."

In the short term, observers anticipate that licensing will continue to be a cloudy **issue**. "Right now, corporations want changes in software pricing structures but they have not fully thought...

Descriptors:

...**Vendor** Relations

3/3,K/25 (Item 5 from file: 275)

DIALOG(R)File 275: Gale Group Computer DB(TM)

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01450158 **Supplier Number: 11074469 (Use Format 7 Or 9 For FULL TEXT)**

Network management: products to configure, control, monitor, test, protect, and inventory your enterprise network's resources. (a correction to this article appears in the January 1992 issue, page 151) (Buyers Guide)

LAN Magazine , v6 , n8 , p146(28)

August , 1991

Document Type: Buyers Guide

ISSN: 0898-0012

Language: ENGLISH Record Type: FULLTEXT; ABSTRACT

Word Count: 17867 Line Count: 01493

...your enterprise network's resources. (a correction to this article appears in the January 1992 issue, page 151) (Buyers Guide)

...and CAD systems.

MAGIC SOLUTIONS

SUPPORTMAGIC HELP DESK

SupportMagic Help Desk and Asset Management Software assigns, prioritizes, and tracks the status of help desk support calls. It tracks inventory by item...central network event window, point-and-click configuration tools, pull-down menu enhancements, and multi-vendor monitoring through private MIB extensions. SNMP-NMS runs on a Sun 3 or SPARCstation.

WOLLONGONG...runs as a NetWare value-added process or NetWare Loadable Module. It also is a license meter. SiteLock costs \$495.

CENTEL FEDERAL SYSTEMS

NET/ASSURE

Net/Assure is a hardware-and-software...WORLDWIDE

CUSTOMER SUPPORT OPERATIONS

HP LAN Operations is a network operation service for internetworked, multi-vendor, Ethernet, TCP/IP, and SNMP-based LANs. The service provides long-and short-term network...

Dialog eLink: [Order File History](#)

3/3K/26 (Item 1 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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01489470

Method for correlating execution-process information with corresponding software licensing information

Verfahren zur Korrelation von Prozessausführungsinformationen mit entsprechenden Softwarelizenzinformationen

Procede pour corréler des informations sur l'exécution de programmes avec des informations concernant des droits d'utilisation

Patent Assignee:

- **Isogon Corporation;** (2435280)
330 Seventh Avenue; New York, New York 10001; (US)
(Applicant designated States: all)

Inventor:

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330 Seventh Avenue; New York, New York 10001; (US)
- **Hellberg, Per,**c/o Isogon Corporation
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- **Barritz, Robert,**c/o Isogon Corporation

330 Seventh Avenue; New York, New York 10001; (US)

Legal Representative:

• **Ling, Christopher John et al (80403)**

IBM United Kingdom Limited Intellectual Property Law Hursley Park; WinchesterHampshire
SO21 2JN; (GB)

| | Country | Number | Kind | Date | |
|-------------|---------|------------|------|----------|---------|
| Patent | EP | 1255180 | A2 | 20021106 | (Basic) |
| | EP | 1255180 | A3 | 20070815 | |
| Application | EP | 2002380083 | | 20020417 | |
| Priorities | US | 845235 | | 20010430 | |

Designated States:

AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LI; LU; MC; NL; PT; SE; TR;

Extended Designated States:

AL; LT; LV; MK; RO; SI;

International Patent Class (V7): G06F-001/00

International Classification (Version 8)

| IPC | Level | Value | Position | Status | Version | Action | Source | Office |
|--------------|-------|-------|----------|--------|----------|----------|--------|--------|
| G06F-0001/00 | A | I | F | B | 20060101 | 20020723 | H | EP |

Abstract Word Count: 57

NOTE: 4

NOTE: Figure number on first page: 4

Legal Status

| Type | Pub. Date | Kind | Text |
|------|-----------|------|------|
|------|-----------|------|------|

Language

Publication: English

Procedural: English

Application: Spanish

Fulltext Availability

| Available Text | Language | Update | Word Count |
|---------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | 200245 | 631 |
| SPEC A | (English) | 200245 | 5949 |
| Total Word Count (Document A) 6581 | | | |
| Total Word Count (Document B) 0 | | | |
| Total Word Count (All Documents) 6581 | | | |

Specification: ...certain days of the week, or based on any other set of restrictions that the **vendor** may negotiate with the organization.

In many cases, vendors have incorporated protective mechanisms (PMs) into... ..exceeded.

If the PM detects attempted violations, a variety of actions may be taken, from **issuing** a warning while allowing execution, to preventing the software from operating. Typically, the PM also... ..are often embodied in a license certificate or via an encrypted password which the software **vendor** gives to the organization, which in turn supplies it to the PM. Typically, a PM... ..is the combination of information embodied in the license certificate initially provided by the software **vendor**; information provided by the customer's license administrator to complement or override, when allowed, the... ..logging of events related to license usage (e.g. an application requesting or releasing a **license**, or a **meter** being updated) is usually either under the administrator's control or specified by rules in... ..the Get-License request. In the simplest case, the license session ends when the product **issues** the "Release-License" function call (xslm(underscore)basic(underscore)release(underscore)license() or xslm(underscore)... ..one another, and to recognize that all are part of the same session, the XSLM **assigns** a "License-Handle" (a unique code-value) to the session, and returns it to the... ..particular instance, or other process-related information, since this information is generally not relevant to **issues** of enforcing the licensing and licensed rights of the licensor of the licensed software.

In... ..a separate address space (or partition, or region, etc.). Software products invoke the XSLM by **issuing** one of the defined function calls, which may be initially processed by an XSLM agent... ..the client via the agent. For example, in the most simple case, a software product **issues** only two function-calls: the Get-License function-call (when the software product is about... ..exit-routines, which, if supplied, receive control during processing of XSLM Get-License function-calls **issued** by the client. The CER receives control in the client's address space (partition, or... ..mainframe system, the identifying information can be the job-number (a system-wide number uniquely **assigned** by the operating system to each job that processes in the system), and optionally can... ..number 3, etc.); and 2) the current date. As OS/390 "unique" job-numbers are **assigned** sequentially, the counter may be reset after some days, weeks, or months, therefore the date... ..in a variety of ways, for example by maintaining a counter specific to the LOS, **assigning** its current value, perhaps combined with the date and time, to a new token, then... ..XSLM log using the Log-Data function. The CER terminates, returning the value of the **assigned** token (step 18) as an output-parameter to the agent.

Optionally, the CER retains the... ..the process-related information together with the corresponding LDI in the CLL.

3. The CER **assigns** the LDI to be used as the token in future XSLM function calls for the...if supplied, receive control during processing of one or more types of XSLM function-calls **issued** by the client. Optionally, when invoked, the CER is provided with the parametric input information... ..licensing function call

- * LOS-id or corresponding identifier
- * the identity or name of the module **issuing** the function-call
- * date and time
- * etc.

Additionally, the CER optionally gathers some or all ...to the function call (which serves to identify the software product requesting the license, the **vendor**, and the particulars of the type of license-usage being requested); and, the return-code... ..exit-routines, which, if supplied, receive control during processing of XSLM Get-License function-calls **issued** by the client. When the client makes a Get-License function call, the CER is... ..captures both process information and sufficient information about the various XSLM function calls that are **issued** in the client in conjunction with ongoing sessions, and records them in the CLL in... ..by the XSLM in its own log.

For example, from each Get-License that's **issued**, the information might consist of the associated process information, product-id, the date and time... ..of activity. For example, the CLL-data might show that Get-License function-calls were **issued** in the client for the following products, in the following order:

M-B-G-T...

Dialog eLink: Order File History
3/3K/27 (Item 2 from file: 348)
DIALOG(R)File 348: EUROPEAN PATENTS
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01019406

VIRTUAL POSTAGE METER WITH MULTIPLE ORIGINS OF DEPOSIT
VIRTUELLE FRANKIERMASCHINE MIT MEHREREN EINZAHLUNGSQUELLEN
MACHINE A AFFRANCHIR VIRTUELLE A ORIGINES MULTIPLES DE DEPOT

Patent Assignee:

- **PITNEY BOWES INC.**; (244956)
World Headquarters, One Elmcroft Road; Stamford Connecticut 06926; (US)
(Proprietor designated states: all)

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Legal Representative:

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Hoffmann - Eitle Patent- und Rechtsanwälte Arabellastrasse 4; 81925 Munchen; (DE)

| | Country | Number | Kind | Date | |
|-------------|---------|------------|------|----------|---------|
| Patent | EP | 925558 | A1 | 19990630 | (Basic) |
| | EP | 925558 | B1 | 20051207 | |
| | WO | 1998057303 | | 19981217 | |
| Application | EP | 98930159 | | 19980612 | |
| | WO | 98US12204 | | 19980612 | |
| Priorities | US | 49518 | P | 19970613 | |

Designated States:

DE; FR; GB;

International Patent Class (V7): G07B-017/00

NOTE: No A-document published by EPO

Legal Status

| Type | Pub. Date | Kind | Text |
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Language

Publication: English

Procedural: English

Application: English

Fulltext Availability

| Available Text | Language | Update | Word Count |
|---------------------------------------|-----------|--------|------------|
| CLAIMS B | (English) | 200549 | 810 |
| CLAIMS B | (German) | 200549 | 731 |
| CLAIMS B | (French) | 200549 | 929 |
| SPEC B | (English) | 200549 | 5211 |
| Total Word Count (Document A) 0 | | | |
| Total Word Count (Document B) 7681 | | | |
| Total Word Count (All Documents) 7681 | | | |

Specification: ...Numbers 4,725,718, 4,757,537, 4,775,246 and 4,873,645, each **assigned** to the **assignee** of the present invention.

Presently, there are two postage metering device types: a closed system... ..subsequent verification. See U.S. Patent Numbers 4,725,718 and 4,831,555, each **assigned** to the **assignee** of the present invention.

The United States Postal Service ("USPS") has proposed an Information-Based... ..a host system element of IBIP ("IBIP Host Specification"). IBIP includes interfacing user, postal and **vendor**

infrastructures which are the system elements of the program. The INFORMATION BASED INDICIA PROGRAM KEY... for example, U.S. Patent Numbers 5,454,038 and 4,873,645, which are **assigned** to the **assignee** of the present invention. The Virtual Meter does not conform to all the current requirements... origin of deposit so that the proper postal accounts can be credited for the postage **issued**.

Several benefits are realized from the present invention. One such benefit relates to the postal... mailer is ready to print the mailpiece.

In the virtual postage metering system, a "meter" **vendor**, such as Pitney Bowes Inc., provides the mailer with client software that runs on PC... fees can be charged at this time. Data Center 30, preferably administered by a meter **vendor**, such as Pitney Bowes Inc., arranges all meter licenses and agreements between its mailers and... from a telephone call is disclosed in U.S. Patent No. 5.943.658, and **assigned** to the **assignee** of the present invention. For other types of connections (such as a network or the... postage payment being reported, the Postal Service verifies payment of total transactions being reported and **assigns** funds from such payment to the appropriate local post offices. When a prepayment method is... Data Center 30. At step 210, the Data Center activates the mailer's PSA by **assigning** the mailer's credit card account to it and notifies the mailer. At step 215... amount owed to each origin zip (local) post office. At step 240, the Postal Service **assigns** an appropriate amount of funds from the funds control center to each local post office... amount owed to each origin zip (local) post office. At step 340, the Postal Service **assigns** an appropriate amount of funds from the funds control center to each local post office... any other postal accounting system (such as one where payment for parcels and letters are **assigned** to different postal departments).

While the present invention has been disclosed and described with reference...

Claims: ...the address.

9. The method of claim 8 comprising the further step of:

obtaining a **meter license** from the USPS based on the postal code information.

10. The method of claim 8...

Dialog eLink: Order File History
3/3K/28 (Item 3 from file: 348)
DIALOG(R)File 348: EUROPEAN PATENTS
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00949450

APPARATUS AND METHODS FOR COLLECTING VALUE
VORRICHTUNG UND VERFAHREN ZUR WERTERFASSUNG
APPAREIL ET PROCEDE D'ENCAISSEMENT

Patent Assignee:

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| | Country | Number | Kind | Date | |
|-------------|---------|----------|------|----------|---------|
| Patent | EP | 944879 | A1 | 19990929 | (Basic) |
| | EP | 944879 | B1 | 20031217 | |
| | WO | 98018107 | | 19980430 | |
| Application | EP | 97909555 | | 19971022 | |
| | WO | 97IL337 | | 19971022 | |
| Priorities | IL | 11948696 | | 19961024 | |

Designated States:

AT; BE; CH; DE; FR; GB; LI;

International Patent Class (V7): G07F-007/08

NOTE: No A-document published by EPO

Legal Status

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|-------------------|-----------|------|------|
| ...Granted patent | 19 | | |
| Assignee: | 19 | | |

Language

Publication: English

Procedural: English

Application: English

Fulltext Availability

| Available Text | Language | Update | Word Count |
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| CLAIMS B | (English) | 200351 | 679 |
| CLAIMS B | (German) | 200351 | 645 |
| CLAIMS B | (French) | 200351 | 738 |
| SPEC B | (English) | 200351 | 19331 |
| Total Word Count (Document A) 0 | | | |
| Total Word Count (Document B) 21393 | | | |
| Total Word Count (All Documents) 21393 | | | |

Specification: ...electronic purses, such as smart cards, in cashless transactions where value is transferred to a **vendor's** purse in exchange for supply of goods or services. Use of public key protection... ...benefits from interest on the outstanding float held in the consumers' smart cards.

An important **issue** is how the system operator can be assured, that, in such a dispersed system, where... ...agents who load value into cards may be tempted to engage in 'printing money').

This **issue** is now resolved as there are compact mass produced, securely protected monolithic data protection mechanisms... ...a proposed transaction.

In a smart card chip such as those manufactured by the applicant/**assignee**, Fortress U & T Ltd., there may be several purses. The same chip can be uniquely initialized and personalized by several independent **issuers**, and each **issuer** may embed a unique variety of purses and information protecting applications in an individual user's card.

To protect honest users, vendors and **issuers** from fraud, rules are made and followed to assure the validity of a transaction, and... ...recently as was demanded, and of course a check for any other aberrations that an **issuer** might desire, such as a limit on the number of withdrawals in a period of time; the number of purchases that can be made without the **vendor's** terminal "going on-line" to the central computer in order to restore the line... ...on-line transaction or in a purse to purse session with an approved agent.

A **vendor** or service terminal can receive payment for goods and services from either a debit (stored... ...more times.

A similar situation arises in the United States where the Department of Agriculture **issues** food credits to the needy. A blind cheque must be **issued** to each of the indigents, who can only use a cheque once, and the USDA... ...for assuring that a cheque can be credited, once, and only once, is for the **issuer** of the cheque to know a unique number, which was provably generated by the receiver...cash receivables", determined by the system operators.

Restraint and constraint strategies to be placed on **vendor's** use of "cash received" in lieu of "credit for cash receivables".

Time Restraint:

A **vendor's** terminal can be programmed so that it must deposit cash received within a certain...

...daunted by the difficulties of handling transactions.

Limiting the Credit for Cash Receivable that a **vendor** is allowed:

In all Fortress **vendor** and consumer SAMs and smart cards, a value of use limit is put on all purses. The system operator is probably not willing that the **vendor** collects and holds large amounts of money for long lengths of time which he used... ..non-payment on time.

This is the "hold" that the system operator has on the **vendor**. If a **vendor** does not comply with the operator's rules, and has used up his credit for cash receivables, then the **vendor** may refuse to reissue his credit, and the **vendor** will then be unable to reload stored value into consumers' purses.

Coupling the Motivating Bonus which the **Vendor** receives for handling the cash with interest charged to the **vendor** for delayed transfer of funds, in those cases where the **vendor** does not 'buy' the original CCR sum, but is allotted by the system operator. ;

All... ..vendors is archived in the vendors' terminals, dated and certified. All funds collected by a **vendor** grant him a percentage bonus for handling and transferring the money for clearance, and for... ..and a BestCrypt-4-PC drop in card, at least one smart card reader.

An **issuer's** workstation is maintained in a very well protected area, used for initializing smart cards... ..CASH - Bills and coins (physical cash), normally used as legal tender.

Acquirer - Bank or other **Issuer** who clears transactions.

a Alpha- the first letter of the Greek alphabet.

A (a)

AAC... ..a transaction

ACN Account Number- A unique number identifying smart card's account with an **issuer**. See PAN.

ACK Acknowledgment- Confirmation of acceptance of transmission.

Application Default Action - A data element... ..and unique, universally available public identifiers.

ARPC Authorization Response Cryptogram - A response, sent by the **issuer**, upon receipt of an ARQC, which proves its authenticity.

ARQC Authorization Request Cryptogram - A response... ..g., a vending machine, a TIM, a parking meter, following rules established by the SC **issuer**, the SAM/SC's CAR is decremented. Means and methodology in this document with relation... ..in one purse if decremented by the same amount from another system purse.

When a **vendor** accepts AMT of \$CASH for the system from a consumer the **vendor's** CCR is decremented by AMT and he typically executes a system "purchase" in order... ..recorded in non-volatile memory in a SAM/SC).

Certificate- A cryptogram signed by an **issuer** or a sub-**issuer** of a system whose public key is known

and recognized by the authenticator, thereby proving... ..DD>Certificate Revocation List- listings of disqualified members of a system (black listed users or **issuers**)- **issuers'** and users' CRLs should be kept in separate files. These listings are made current at... ..a payment system to accept physical cash or electronic value.

Entitlement- The procedure allowing an **issuer** or a subissuer the proper priority to access applications - no access, read only, write only...of last purse transactions performed by a SAM. In general, only the cardholder and the **issuer** (not the **issuer's** agents) have entitlement to read the file on any system terminal. This permits the cardholder to confirm the actual value of his transactions. The card **issuer** determines how many "last transactions" can be stored in the EEPROM. <DT>IAC<DD>**Issuer** Action Code - A set of **issuer** defined action lists, indicating the behavior of the card, in different situations. <DT>1-Block... ..Command Message - According to ISO 7816 structure, typically. <DT>ISO<DD>International Organization for Standardization **issuers** of internationally accepted technical standards - see Normative References. <DT>ISOXX))(*)<DD>ISO Format Function 9796... ..text (specified in parenthesis) - a data structure for electronic signatures to protect message/document integrity.

Issuer - Card **Issuer** or Card **Issuer's** Agent

Journal Printer - An internal device which;prints a record of every transaction on... ..by the ICC

Lock - A closure put on an application(s) by a terminal, an **issuer**, or by internal negotiation within the ICC, preventing access to such applications. Some closures can be removed by the **issuer**, probably after card user has fulfilled obligations, or following return of card to rightful owner... ..of Certification Authority's Public Key Modulus in bytes. <DT>NI))<DD>Length of the **Issuer's** Public Key Modulus in bytes. <DT>NIC))<DD>Length of the ICC's Publicg., the complete command would be 45, 30, 34.

Personalization - The procedure followed by an **issuer** wherein a smart card or SAM/SC is **assigned** to a subscriber with unique identification, and file structures are programmed into the EEPROM with... ..SCOS++) <DT>PTICKET<DD>Printed Ticket - A paper travel voucher purchased with AMT of \$CASH **issued** by a TIM. The driver's OPM's CCR is reduced by AMT as it... ..s tool to confirm proper procedure and one to one agreement between moneys received, tickets **issued**, credit for cash receivables reduced, and validity of passenger's proof of payment. <DT>PTS... ..request for receipt typically includes proof of X's belonging to the system, and data **issued** by X's SAM/SC which will enable to convert said receipt once, and only... ..number used to access an EF within the same application or directory. <DT>SI))<DD>**Issuer's** Private Key- The Secret (only RSA in present EMV specs) key used by the **issuer** to sign certificates of participants in the **Issuer's** applications. <DT>SIC)) <DD>ICC's Private Key- The Secret key (RSA in EMVor compensate for illicit or unintentional interruption of a transaction procedure. <DT>TIM<DD>Ticket **Issuing** Machine- A cryptocomputer regulated device that controls money collection, ticket **issuing** and collection, controls access to vehicle, and collects transaction and automotive data relevant to a... ..received; and

c. Debiting his own electronic purse to reflect the value of the ticket **issued** or the amount of value loaded into the traveler's smart card.

A preferred feature...portion rejects input from the external source.

Typically, each bus is equipped with a ticket **issuing** machine (TIM) and each operator (driver) is equipped with a portable personal module (OPM). Each... ..the TIM's electronic purse by the same

amount.

b. The TIM is operative to **issue** a paper ticket in response to a driver's actuation. Typically, the driver actuates the... ..the TIM's electronic purse by the same amount.

c. The TIM is operative to **issue** multiple or free pass tickets in response to a driver's actuation. Typically, the driver... ..insertion of the smart card into the TIM. The smart card may be a card **issued** by the transportation system, or may be an "external" card such as a conventional credit... ..records the time of day, the user preferably enters user-identifying information such as his **license** plate number, the **meter** displays the balance of electronic cash possessed by the smart card inserted and/or the... ..is useful in one implementation of the present invention;

Preferably, once a smart-card is **issued**, it is a secured information environment subject to the application authorization and restriction, modified only...

Dialog eLink: Order File History

3/3K/29 (Item 4 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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00939763

Method for transferring postage meter register values to a new post office

Verfahren zur Übertragung von Frankiermaschinenregisterwerten zu einem neuen Postamt

Procede de transfert des valeurs des registres d'une machine a affranchir vers un nouveau bureau de poste

Patent Assignee:

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(Proprietor designated states: all)

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Legal Representative:

- **Avery, Stephen John et al (47695)**
Hoffmann Eitle, Patent- und Rechtsanwälte, Arabellastrasse 4; 81925 Munchen; (DE)

| | Country | Number | Kind | Date | |
|--|---------|--------|------|------|--|
| | | | | | |

| | | | | | |
|-------------|----|----------|----|----------|---------|
| Patent | EP | 854449 | A2 | 19980722 | (Basic) |
| | EP | 854449 | A3 | 20000329 | |
| | EP | 854449 | B1 | 20040519 | |
| Application | EP | 97122989 | | 19971230 | |
| Priorities | US | 775818 | | 19961231 | |

Designated States:

DE; FR; GB;

Extended Designated States:

AL; LT; LV; MK; RO; SI;

International Patent Class (V7): G07B-017/00**Abstract Word Count:** 154

NOTE: 2

NOTE: Figure number on first page: 2

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| Type | Pub. Date | Kind | Text |
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| ...20031009 | 19 | | |
| Assignee: | 19 | | |

Language

Publication: English

Procedural: English

Application: English

Fulltext Availability

| Available Text | Language | Update | Word Count |
|---------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | 199830 | 660 |
| SPEC A | (English) | 199830 | 2636 |
| CLAIMS B | (English) | 200421 | 379 |
| CLAIMS B | (German) | 200421 | 372 |
| CLAIMS B | (French) | 200421 | 412 |
| SPEC B | (English) | 200421 | 2641 |
| Total Word Count (Document A) 3297 | | | |
| Total Word Count (Document B) 3804 | | | |
| Total Word Count (All Documents) 7101 | | | |

Specification: ...referred to herein as the "IBIP Specifications". The IBIP includes interfacing user (customer), postal and **vendor** infrastructures which are the system elements of the program.

The user infrastructure, which resides at... ..code and the responsibility of a meter user to notify the USPS or the meter **vendor** whenever a meter is relocated.

Under conventional postage evidencing infrastructure communications have been point to... another. The DMM sets forth the responsibility of the meter customer to inform the PSD **vendor**, such as the **assignee** of the present invention, or the USPS that the move has occurred and the identity... result, some meters listed as lost or stolen may be refilled via contact with the **Vendor Data Center**. Other postage meters may be denied refills because they appear on a lost... and updated by checking the phone number from which a PC meter connects to the **vendor** infrastructure. By combining the caller ID feature of ordinary telephone service with national telephone directories... databases the approximate location of a postage meter can be determined during contact with the **Vendor Data Center**, for example for meter refill. In this manner the present invention improves the... the submission address and the return address.

The IBIP requires IBIP meters to contact the **vendor** infrastructure on a periodic basis. Since the calling telephone number of such contact is available to the **vendor** infrastructure, via caller ID, it has been found that the address of the IBIP meter... and printer. The host PC 10 is connected, for example, by modem 14 to a **Vendor Data Center** 20. The **Vendor Data Center** includes a Data Center Server 22 which is connected to a plurality of... of PC meters. It will be understood that the communication between the PC meter and **Vendor Data Center** may be by alternate conventional communication means, such as a network. The **Vendor Data Center** has access to a Phone Book Database 26 and a ZIP+4 Database 28. The **Vendor Data Center** also communicates with a USPS Certificate and Licensing Authority 30. A licensing Post... be accounted for by origin of deposit.

When a customer initiates a call to the **Vendor Data Center**, for example for meter refill or for remote inspection, this is usually via... similar national database of ZIP codes (also currently available on CD-ROM). All subsequent postage **issued** from the PSD may then be allocated to the appropriate licensing post office or postal... digital meter, such as PostPerfect(TM) and Personal Post Office(TM), both manufactured by the **assignee** of the present invention, or to determine the location of a conventional electronic or mechanical... to Fig. 2, the process of the present invention is shown. At step 100, the **Vendor Data Center** has received a call from a PC meter and obtains the PC meter... phone number using the Caller ID feature of the telephone system. At step 105, the **Vendor Data Center** determines if the customer's phone number has changed from the previous call to the **Vendor Data Center**. If the customer's phone number has not changed, then normal processing is... step 170. If the customer's phone number has changed, then, at step 110, the **Vendor Data Center** determines if the customer's phone number is in the Phone Book Database. If the customer's phone number is in the Database, then, at step 115, the **Vendor Data Center** obtains from the Phone Book Database a customer mailing address corresponding to the customer's phone number. At step 120, the **Vendor Data Center** obtains a five-digit ZIP code for the customer mailing address from the ZIP+4 Database. At step 140, the **Vendor Data Center** uses the five-digit ZIP code for postal accounting.

If, at step 110, the customer's phone number is not in the Database, then, at step 130, the **Vendor Data Center** queries the customer for an address or ZIP code. At step 135, the **Vendor Data Center** determines if the customer entered a ZIP code. If the customer entered a ZIP code, then, at step 140, the **Vendor Data Center** uses the ZIP code for postal accounting. If the customer did not enter a ZIP code, then, at step 120, the **Vendor Data Center** obtains a five-digit ZIP code for the customer mailing address from the ZIP+4 Database. At step 140, the **Vendor Data Center** uses the ZIP code for postal accounting.

At step 145, the **Vendor Data Center** determines if the ZIP code has changed from the previous call to the **Vendor Data Center**. If the customer's ZIP code has not changed, then normal processing is... step 170. If the customer's ZIP code has changed, then, at step 150, the **Vendor Data Center** requests and receives from the USPS Certificate and Licensing Authority a new certificate based on the customer's new ZIP code. At step 155, the **Vendor Data Center** downloads the new certificate to the PSD. At step 160, the **Vendor Data Center** obtains the register (ascending and descending) values from the PSD. At

step 165, the **Vendor** Data Center transfers funds remaining in the existing customer account, which is based on the... ..lost and stolen meters.

For example, during a meter refill request a customer contacts the **Vendor** Data Center using standard telephone lines. The Data Center determines the phone number from whichPost Office(TM) and Postage-by-Phone(TM) are trademarks of Pitney Bowes Inc., the **assignee** of the present invention.

Specification: ...referred to herein as the "IBIP Specifications". The IBIP includes interfacing user (customer), postal and **vendor** infrastructures which are the system elements of the program.

The user infrastructure, which resides at... ..code and the responsibility of a meter user to notify the USPS or the meter **vendor** whenever a meter is relocated.

Under conventional postage evidencing infrastructure, communications have been point to... ..another. The DMM sets forth the responsibility of the meter customer to inform the PSD **vendor**, such as the **assignee** of the present invention, or the USPS that the move has occurred and the identity... ..result, some meters listed as lost or stolen may be refilled via contact with the **Vendor** Data Center. Other postage meters may be denied refills because they appear on a lost... ..and updated by checking the phone number from which a PC meter connects to the **vendor** infrastructure. By combining the caller ID feature of ordinary telephone service with national telephone directories... ..databases the approximate location of a postage meter can be determined during contact with the **Vendor** Data Center, for example for meter refill. In this manner the present invention improves the... ..the submission address and the return address.

The IBIP requires IBIP meters to contact the **vendor** infrastructure on a periodic basis. Since the calling telephone number of such contact is available to the **vendor** infrastructure, via caller ID, it has been found that the address of the IBIP meter... ..and printer. The host PC 10 is connected, for example, by modem 14 to a **Vendor** Data Center 20. The **Vendor** Data Center includes a Data Center Server 22 which is connected to a plurality of... ..of PC meters. It will be understood that the communication between the PC meter and **Vendor** Data Center may be by alternate conventional communication means, such as a network. The **Vendor** Data Center has access to a Phone Book Database 26 and a ZIP+4 Database 28. The **Vendor** Data Center also communicates with a USPS Certificate and Licensing Authority 30. A licensing Post... ..be accounted for by origin of deposit.

When a customer initiates a call to the **Vendor** Data Center, for example for meter refill or for remote inspection, this is usually via... ..similar national database of ZIP codes (also currently available on CD-ROM). All subsequent postage **issued** from the PSD may then be allocated to the appropriate licensing post office or postal... ..digital meter, such as PostPerfect(TM) and Personal Post Office(TM), both manufactured by the **assignee** of the present invention, or to determine the location of a conventional electronic or mechanical... ..process according to an embodiment of the present invention is shown. At step 100, the **Vendor** Data Center has received a call from a PC meter and obtains the PC meter... ..phone number using the Caller ID feature of the telephone system. At step 105, the **Vendor** Data Center determines if the customer's phone number has changed from the previous call to the **Vendor** Data Center. If the customer's phone number has not changed, then normal processing is... ..step 170. If the customer's phone number has changed, then, at step 110, the **Vendor** Data Center determines if the customer's phone number is in the Phone Book Database. If the customer's phone number is in the Database, then, at step 115, the **Vendor** Data Center obtains from the Phone Book Database a customer mailing address corresponding to the customer's phone number. At step 120, the **Vendor** Data Center obtains a five-digit ZIP code for the customer mailing address from the ZIP+4 Database. At step 140, the **Vendor** Data Center uses the five-digit ZIP code for postal accounting.

If, at step 110, the customer's phone number is not in the Database, then, at step 130, the **Vendor** Data Center queries the customer to obtain an address or ZIP code from the customer. At step 135, the **Vendor** Data Center determines if the customer entered a ZIP code. If the customer entered a ZIP code, then, at step 140, the **Vendor** Data Center uses the ZIP code for postal accounting. If the customer did not enter a ZIP code, then, at step 120, the **Vendor** Data Center obtains a five-digit ZIP code for the customer mailing address from the ZIP+4 Database. At step 140, the **Vendor** Data Center uses the ZIP code for postal accounting.

At step 145, the **Vendor** Data Center determines if the ZIP code has changed from the previous call to the **Vendor** Data Center. If the customer's ZIP code has not changed, then normal processing is... ..step 170. If the customer's ZIP code has changed, then, at step 150, the **Vendor** Data Center requests and receives from the USPS Certificate and Licensing Authority a new certificate based on the customer's new ZIP code. At step 155, the **Vendor** Data Center downloads the new certificate to the PSD. At step 160, the **Vendor** Data Center obtains the register (ascending and descending) values from the PSD. At step 165, the **Vendor** Data Center transfers funds remaining in the existing customer account, which is based on the... ..lost and stolen meters.

For example, during a meter refill request a customer contacts the **Vendor** Data Center using standard telephone lines. The Data Center determines the phone number from whichPost Office(TM) and Postage-by-Phone(TM) are trademarks of Pitney Bowes Inc., the **assignee** of the present invention.

Claims: ...the address.

3. The method of claim 1 comprising the further step of:

obtaining a **meter license** from the a postal authority based on the address or unique identifier.

4. The method...

Claims: ...affranchir a un nouveau bureau de poste, ce procede consistant a :

recevoir un appel telephonique **issu** du site de la machine a affranchir ;

utiliser de l'ID de l'appelant pour... ..origine ;

determiner si l'identifiant d'origine a ou non change depuis une communication precedente **issue** de la machine a affranchir ;

determiner une adresse postale correspondant a l'identifiant d'origine... ..a un nouveau bureau de poste, ce procede consistant a :

recevoir une communication en reseau **issue** du site de la machine a affranchir ;

obtenir une adresse en reseau comme identifiant unique... ..appelante ;

determination si l'identifiant d'origine a ou non change depuis une communication precedente **issue** de la machine a affranchir ;

determiner une adresse postale correspondant a l'identifiant d'origine...

Dialog eLink: [Order File History](#)

3/3K/30 (Item 5 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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00939752

A method for the detection of meter relocation using return address

Verfahren zum Erfassen der Standortveränderung eines Zählers unter Verwendung der Rückadresse

Procede de detection du deplacement d'un compteur par l'utilisation de l'adresse de reponse

Patent Assignee:

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(Proprietor designated states: all)

Inventor:

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Legal Representative:

- **Avery, Stephen John et al (47695)**
Hoffmann Eitle, Patent- und Rechtsanwälte, Arabellastrasse 4; 81925 Munchen; (DE)

| | Country | Number | Kind | Date | |
|-------------|---------|----------|------|----------|---------|
| Patent | EP | 854447 | A2 | 19980722 | (Basic) |
| | EP | 854447 | A3 | 20000223 | |
| | EP | 854447 | B1 | 20030402 | |
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| CLAIMS B | (English) | 200314 | 482 |
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| Total Word Count (Document B) 3670 | | | |
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Specification: ...referred to herein as the "IBIP Specifications". The IBIP includes interfacing user (customer), postal and **vendor** infrastructures which are the system elements of the program.

The user infrastructure, which resides at... regulations include the responsibility of a meter user to notify the USPS or the meter **vendor** whenever a meter is relocated.

Under conventional postage evidencing infrastructure, communications have been point to... another. The DMM sets forth the responsibility of the meter customer to inform the PSD **vendor**, such as the **assignee** of the present invention, or the USPS that the move has occurred and the identity...PC 10 is connected, for example, by modem, network or other communication means, to a **vendor** data center 20. A licensing Post Office 30 is the Post Office to which PSD is licensed to submitted mailpieces in accordance with postal regulations.

A user submits to the **vendor** data center 20 required license information, including licensing Post Office identification. The user purchases or leases the PSD 12 from a PSD **vendor** or from a retail store. The PSD 12 is connected to a conventional PC 10... 17 and printer 18. The user then activates the PSD 12, by submitting to the **vendor** data center 20 PSD related information, including serial number and user information. The **vendor** data center 20 activates the PSD 12 by sending certain information including a postal code... lease a PSD 12, a set of user information will be provided to allow a **meter license** to be processed. This information is transmitted to the **vendor** server where a license application is prepared. At that time the meter user may wish... submission. This application is processed by postal systems and the approved license is returned to **vendor** server for future download to the PC meter 40.

Referring now to Fig. 2, at... herein as the user postal code. At step 105, the meter user dials into the **Vendor** data center 20 and receives a PSD certificate which includes a postal code for the... not

selected, then the user will be asked, at step 135, to reapply for the **meter license** and the host 10 displays the current licensing post office postal code. The user should now contact the **vendor** services to remedy the situation. The foregoing is a one time initialization of the PSD...to complete the meter move process, for example by reapplying for a license or contacting **vendor** services. If not a meter move, the user is informed, at step 445 of the ...

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Claims: ...on a postal code of a licensing post office to which the metering device is **assigned** for submission of mailpieces prepared by the metering device.

6. The method of any preceding...

Claims: ...on a postal code of a licensing post office to which the metering device is **assigned** for submission of mailpieces prepared by the metering device.

6. The method of any preceding...

Dialog eLink: Order File History
3/3K/31 (Item 1 from file: 349)
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01222143

FRAUD DETECTION IN A POSTAGE SYSTEM
DETECTION DE FRAUDE DANS UN SYSTEME D'AFFRANCHISSEMENT

Patent Applicant/Patent Assignee:

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(For all designated states except: US)

Legal Representative:

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Pitney Bowes Inc., 35 Waterview Drive, Shelton, CT 06484; US;

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|-------------|---------|-------------|-------|----------|
| Patent | WO | 200529263 | A2-A3 | 20050331 |
| Application | WO | 2004US30414 | | 20040917 |
| Priorities | US | 2003481402 | | 20030919 |
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Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;
BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;
CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;
GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;
IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR;
LS; LT; LU; LV; MA; MD; MG; MK; MN; MW;
MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY;
TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ;
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Detailed Description:

...The program is a heavy client architecture that includes access to a virtual postage meter **assigned** to the postage **meter license** of the customer. The program must be installed on the user computer as an application... ..directed to Instant Online Postage is described in U.S. Patent Number 6,619,544 **issued** to Bator, et al. on September 16, 2003.

[008] The United States Postal Service published... ..available, and exist as accounts at a data center with a user having a postage **meter license** to use a corresponding virtual postage meter by remote access. A remote virtual postage meter... ..meter account with a unique serial number and that account is associated with a postage **meter license** obtained under authority of the USPS.

[0011] A reference directed toward reissuing digital tokens in an open metering system is described in U.S. Patent Number 6,157,911, **issued** to Cordery, et al. on December 5, 2000.

[0012] A reference directed toward preventing fraudulent... ..displayed on a personal computer is described in U.S. Patent Number 5,988,897, **issued** to Pierce et al. on November 23, 1999. The Pierce system describes determining whether the... ..able to print multiple copies of an indicia. U.S. Patent Number 6,680,783 **issued** to Pierce, et al. on January 20, 2004 is directed toward a method for preventing... ..for paying the postage. In such a system, the user does not require a postage **meter license**. The broker obtains a postage **meter license** for the broker data center and obtains location information from the users. The broker then... ..Under the present invention, the end user is not required to have a USPS postage **meter license**.

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[0036] Referring to FIG. 1, a system schematic diagram of an illustrative shipping and... ..Network (VPN) or other technologies.

[0064] In a typical transaction, a customer logs into a **vendor** site such as an auction e-commerce provider. The customer may be authenticated by the...

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DIALOG(R)File 349: PCT FULLTEXT

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01014701

**SYSTEMS AND METHODS FOR DETECTING POSTAGE FRAUD USING A UNIQUE MAIL
PIECE INDICIUM, REDUCING THE SIZE OF POSTAGE INDICIA, AND REFUNDING
POSTAGE**

**SYSTEMES ET PROCEDES PERMETTANT DE DETECTER DES FRAUDES POSTALES AU
MOYEN D'UN AFFRANCHISSEMENT UNIQUE DE COURRIER, CE QUI PERMET DE REDUIRE
LA TAILLE DES AFFRANCHISSEMENTS POSTAUX ET DE REMBOURSER LES FRAIS
POSTAUX**

Patent Applicant/Patent Assignee:

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Legal Representative:

- **WANG David E(et al)(agent)**
Orrick, Herrington & Sutcliffe LLP, 4 Park Plaza, Suite 1600, Irvine, CA 92614-2558; US;

| | Country | Number | Kind | Date |
|-------------|---------|-------------|-------|----------|
| Patent | WO | 200344620 | A2-A3 | 20030530 |
| Application | WO | 2002US33024 | | 20021014 |
| Priorities | US | 2001990341 | | 20011120 |
| | US | 2001990625 | | 20011120 |
| | US | 2001990605 | | 20011120 |

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FI; FR; GB; GR; IE; IT; LU; MC; NL; PT;
SE; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;
UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Language

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English Abstract:

...improvement uses an indexing identifier (such as, e.g., a tracking ID, or a postage **vendor** ID, user account, and piece count) to decrease the size, or eliminate the use, of...

Detailed Description:

...this system, the end user's account balance is securely stored in a centralized postage-issuing computer system, and the end user contacts the centralized postage-issuing computer system each and every time postage is to be applied to a mail piece...ED 6

-11 Descending Register 4

-12 Rate Category 4

-13 Signature 40

-14 Reserved (**Vendor** Specific Information) 1

-15 Piece Count (**Vendor** Specific Information) 4

Thus, the date (item #7) embedded in the barcode portion of the...model, each end user (i.e., meter account) has a unique public/private key pair **assigned** to him or her. The private key component is never divulged 5 to the end...related problem encountered by the USPS and the IBIP vendors was the cost and logistical issues associated with managing hundreds of thousands, if not millions, of key pairs. 11BIP vendors were... ..deal with the revocation and reissuing of public keys as they expired, and handle other **issues** associated with the PKI.

In 1998, the inventor suggested ...a single key pair to service the entire user community for a given centralized postage **vendor**. The key pair might change daily, weekly or monthly for security reasons, but the netwhen the postage indicia are created at the centralized server cluster run by the postage **vendor**. That is, the ...private key can be assured since it is in the possession of the trusted postage **vendor**, and not the end user. It should be noted that even the centralized system postage **vendor** does not have direct knowledge of the private key material. USPS design guidelines require that...the IBIP is the assumption that all printing-related problems could be controlled by "perfect" **vendor** software and therefore, a staunch refusal to offer a refund procedure for failed or partially... specifically, the postage indicium must be scannable), it may be submitted to the PC-postage **vendor** for a refund. 'the **vendor**, in turn, applies to the USPS for a refund. The ... method can Rirther comprise receiving a plurality of postage indicium requests at the centralized postage-issuing computer system from a plurality of end user computers, processing the requests at the centralized postage-issuing computer system, and transmitting the resulting self-validating unique postage indicia from the centralized postage-issuing computer system to the end user computers. The postage indicium requests may be embodied in... ..formats, but in the preferred method are embodied in single data streams. The centralized postage-issuing computer system can obtain the unique tracking numbers from various sources, but in the preferred...such as a tracking number, or two or more character strings such as a postage **vendor** IID, user account number, and piece count. The method further comprises receiving a postage indicium... case, the method can flirther comprise transmitting another unique identifier request from the centralized postage-issuing computer system to the master tracking computer system in response to receipt of the unique...the end user computer, and receiving the unique 1 5 identifier at the centralized postage-issuing computer system from a master tracking computer system. Alternatively, the received unique identifier can be stored in the centralized postage- issuing computer system prior to receiving the unique identifier request from the end user computer. In another preferred method, all of the steps are performed in the centralized postage-issuing computer system, with the exception of the receipt of the unique identifier request and the unique identifier received by the end user computer is transmitted to the centralized postage-issuing computer system.

In accordance with a sixth separate aspect of this first improvement, a postage... ..a postal system is provided. The system comprises an end user computer, a centralized postage-issuing computer system, and a communications link connecting the end user computer with the centralized postage-issuing

computer system. The end user computer is configured for transmitting a postage indicium.

request to the centralized postage-issuing computer system over the communications link, and the centralized postage-issuing computer system ...tracking computer system can be configured for transmitting the tracking ID to the centralized postage-issuing computer system over the other communications link. The tracking ID may be transmitted to the centralized postage-issuing computer system in response to a unique identifier request from the centralized postage-issuing computer system, or alternatively may be periodically transmitted to the centralized postage-issuing computer system with a pool of unassigned tracking ID's, which are then stored in...the other communications link, and for transmitting the unique character string to the centralized postage-issuing computer system over the communications link.

In accordance with a seventh separate aspect of this first improvement, a centralized postage-issuing computer system for issuing postage indicia within a postal system is provided. The centralized postage-issuing computer system comprises data processing circuitry, a database storing a plurality of user accounts, and...a master tracking computer system, or alternatively from the end user computer.

The centralized postage-issuing computer system farther comprises a ...indexing identifier (such as, e.g., a tracking ID or the combination of a postage vendor ID, user account, and piece count) to decrease the size of the postage indicium transmitted ...of this second improvement, a method of indexing a postage indicium within a centralized postage-issuing computer system having a plurality of user accounts is provided. The method comprises generating a...unique within a postal service (such as, e.g., the USPS) and comprises a postage vendor ID, user account number, and piece count, or alternatively, a unique tracking ID. The postage...validating postage indicium, and storing the indexed self-validating postage indicium within the centralized postage-issuing computer system. The digital signature may be generated by applying a private key to the ...reader.

In accordance with a third separate aspect of this second improvement, a centralized postage-issuing computer system for indexing postage indicia, for a plurality of user accounts within a postal system is provided. The centralized postage-issuing computer system comprises data processing circuitry, a database, a postage indicium generation module, when executed...by means of a physically secure coprocessor device. In the preferred embodiment, the centralized postage-issuing computer system comprises a communications module, when executed by the data processing circuitry, configured for...accounts.

In accordance with a fourth separate aspect of this third improvement, a centralized postage-issuing computer system for providing status for a plurality of mail pieces tracked by a postal service is provided. The centralized postage-issuing computer system comprises data processing circuitry, a database, a communications module, when executed by ...accordance with a fifth separate aspect of this third improvement, a method of determining whether issued postage has been used is provided. The method comprises storing information for a plurality of...indicate that a mail piece has been delivered. The method may further comprise determining that issued postage is unused if any

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of the delivery statuses for the selected postage transactions... information.

In accordance with a sixth separate aspect of this third improvement, a centralized postage-issuing computer system for determining whether issued postage has been used is provided. The centralized postage-issuing computer system comprises data processing circuitry, a database, a communications module, when executed by the ...a database,, and associating the postage transaction information with a user account. The centralized postage-issuing computer system further comprises a filtering module, when executed by the data processing circuitry, configured...been delivered. In the preferred

embodiment, a filtering module is further configured for determining that **issued** postage is unused if any of the delivery statuses for the selected postage transactions indicates...of

1 0 Fig. 3;

Fig. 5 is a block diagram of a centralized postage-**issuing** computer system used in the first postal system of Fig. 3;

Fig. 6 is a block diagram of another centralized postage- **issuing** computer system used in the first postal system of Fig. 3;

1 5 Fig. 7...system of Fig. 3;

Fig. 9 is a flow diagram illustrating a procedure for indirectly **issuing** a tracking ID from the master tracking computer system of Fig. 7 to the end user computer of Fig. 4 via the centralized postage-**issuing** computer system of Fig. 5;

Fig. 1 0 is a flow diagram illustrating a procedure for **issuing** a tracking ID from the centralized postage- **issuing** computer system of Fig. 6 to the end user computer of Fig. 4; Fig. 1...postageissuing computer system of Fig. 6 and for uploading postage information from the centralized postage- **issuing** computer system to the master tracking computer system;

Fig. 12 is a flow diagram illustrating a procedure for directly **issuing** a tracking ID from the master tracking computer system of Fig. 7 to the end... ..illustrating a procedure for dispensing a self-validating unique postage indicium from the centralized postage-**issuing** computer system of Figs. 5, 6, or 33 to ...1 0 of Fig. 15;

Fig. 17 is a block diagram of a centralized postage-**issuing** computer system used in the second postal system of Fig. 15;

Fig. 18 is a...postal system of Fig. 25;

Fig. 29 is a block diagram of a centralized postage-**issuing** computer system used in the third postal system of Fig. 25;

Fig. 30 is a...procedure for accumulating and updating 1 0 postage transaction information stored in the centralized postage-**issuing** computer system of

Fig. 29;

Fig. 32 is a flow diagram illustrating a procedure for **issuing** a refund within the centralized postage- **issuing** computer system of Fig. 29;

Fig. 33 is a block diagram of still another centralized postage-**issuing** computer system used in the first postal system of Fig. 3;

Fig. 34 is a...can be composed of the piece count or ascending register in combination with the postage **vendor** ID and user account number. In this case, detection of copy fraud can be ensured... ..that a tracking ID provides uniqueness with a single string of numbers, whereas a postage **vendor** ID/user account/piece count (or ascending register) combination provides uniqueness with two strings ...of characters. As will be described in further detail below, however, use of the postage **vendor** ID/user account/piece count (or ascending register) combination as the unique identifier can be... in response to requests for tracking ID's from end users, the postal service directly **issues** tracking ID's to the end users in a manner similar to that currently used... ..optionally, the postal service indirectly tracking ID's to the end users via a postage **vendor**. In any event, the postage **vendor** generates and sends self-validating unique postage indicia, which carry the **issued** tracking ID's, to the end users.

The tracking numbers contained with the self-validating... ..comprises a centralized postage indicia generation system 302, which includes a multitude of centralized postage-**issuing** computer systems 305/306/307 (referred to as "central computer systems" in the figures), each...includes a master tracking computer system 310andpostagevalidationcomputersystem312. Aswillbedescribedinfirtherdetail below, the different configurations of centralized postage-**issuing** computer systems 305/306/307 represent different means for **issuing** the tracking ID's to the end user computers 308. As illustrated, the centralized postage- **issuing** computer systems 305/306/307, end user

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computers 3 08, master tracking computer system...noted that, in the illustrated embodiment,

communications among the end user computers 308, centralized postage-issuing computer system 305/306/307, master tracking computer system 310, and postage validation client of a postal **vendor**, and is the principal device for preparing mail pieces by printing the tracking ID's... self-validating unique postage indicia on the mail pieces when received by the centralized postage-issuing computer system 305/306/307. Each centralized postageissuing computer system 305/306/307 is owned and operated by a postal **vendor** and is the 15 principal device that dispenses unique postage indicia to the end...As previously discussed, however, these unique identifiers are preferably tracking ID's.

The centralized postage-issuing computer systems 306 and 307 are also the principal devices that directly transmit tracking ID ...when the end user computers 308 do not directly obtain the tracking ID's from the master tracking computer system 310. The centralized postage- issuing computer systems 306 and 307 differ from each other in that the centralized postage-issuing computer system 306 merely acts as a vehicle for passing on tracking ID's **issued** by the master tracking computer system 310 to the end user computers 308, whereas the centralized postage-issuing computer system 307 actually **issues** tracking ID's from a previously stored pool of unassigned tracking M's, which are...from the master tracking computer system 310. In contrast to the centralized postage-issuing computer

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systems 306/307, the centralized postage-issuing computer system 305 does not take part in the tracking ID **issuing** process. In this case, it is the master tracking computer system 310@ rather than the centralized postage- **issuing** computer system 305, that transmits tracking ID's to the end user computers 308 over...the end user computers 308 over communications links 322, or directly to the centralized postage- **issuing** computer systems 306 or 307 over communications links 316, which then ultimately be transmitted to...postage validation computer system 312 may optionally receive end user information from the centralized postage-issuing computer system 305/306/307 over communications links 318, or postage information associated with the... g., a modem, LAN connection, or Internet connection) for handling communications with the centralized postage-issuing computer system 305/306/307 over the communications link 314 or for handling communications with...module 416 will also contain the unique tracking 11D when received from the centralized postage-issuing computer system 305/306/307.

The communications module 418 is configured for handling communications with the centralized postage-issuing computer system 305/306/307 over the communications link 314 (such as, e.g., transmitting...the one-dimensional barcode 220 corresponding to the tracking ID received from the centralized postage-issuing computer system 306/307 on the label 200. The postage indicia printing module 422 is **issuing** computer system 305/306/307.

Referring specifically to Fig. 33, the centralized postage-issuing computer system 305 comprises data processing circuitry 421 (such as, e.g., a Central Processor...database 428 of information about each of the user accounts received by the centralized postage-issuing computer system 306, a postage database 430 of records concerning each self-validating unique postage indicium generated by the centralized postage-issuing computer system 306, and a finance database 432 of records concerning each postage credit transaction... to a user account.

For example, the customer database 428 may contain the following information.

meter/license number, account status (active, hold, canceled, etc.), account name, account password (typically encrypted), user' ...information, or public key reference number (indicating which key was used by the centralized postage- **issuing** computer system 306 to digitally sign the unique postage indicium for this postage dispensing event...submodule 446 for generating a unique postage indicium containing the tracking ID and/or postage **vendor**]ID/user account/piece count; (2) a digital signature generation subinodule 448 for deriving a...13 Piece Count 4

-14 Signature 40

The "Indicia Version Number" identifies the version number **assigned** by the USPS to the indicia data set. The "Algorithm ED" identifies the digital... the postage indicium. The "Certificate Serial Number" identifies the unique serial number of the certificate **issued** by the EBIP Certificate Authority.

The "Device ID" identifies the USPS- **assigned** ID for each postage **vendor**, and the user account for which the postage indicium will be **issued**. The "Ascending Register" identifies the total monetary value of all postage indicia ever produced for... zip code for the licensing post office. The "Tracking Number" identifies the unique tracking ID **issued** by the USPS for that particular ...the door for copy fraud.

Optionally, the destination zip code may be appended to the "**vendor** portion" of the postage indicium, which is an area of the postage indicium. that is... by the USPS and not digitally signed.

Referring specifically to Fig. 5, the centralized postage-**issuing** computer system 306 differs from the centralized postage-**issuing** computer system 305 in that it provides means through which the master tracking computer system 310 **issue** tracking ED' ...to the end user computers 308. To the extent that the components of centralized postage-**issuing** computer systems 305 and 306 are similar, identical reference numbers have been used. In addition to the components contained in the centralized postage-**issuing** computer system 305, the

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centralized postage-**issuing** computer system 306 comprises postage dispensing modules 427, which additionally include a tracking DD request...ID requests and receiving tracking ED's).

Referring specifically to Fig. 6, the centralized postage-**issuing** computer system 307 differs from the centralized postage-**issuing** computer system 306 in that rather than requesting and receiving tracking ID's from the...from the end user computers 308. To the extent that the components of centralized postage-**issuing** computer systems 306 and 307 are similar, identical reference numbers have been used.

In addition to the previously described components, the centralized postage-**issuing** computer system 307 comprises a local memory 452, which in addition to the previously described and a tracking information database 456 for storing each tracking ID that has been **issued** to an end user computer 308 and the postage information associated with each tracking ID, i.e., the information contained in the tracking ID request. The centralized postage- **issuing** computer system 307 further comprises a set of postage dispensing modules 458, which in addition...of modems, a LAN connection, or Internet connection) for handling communication with the centralized postage-**issuing** computer systems 306/307 over communications links 316 or with the end user computers 308...also stores a tracking information database 472 for storing each tracking ED that has been **issued** to an end user computer 308 and the postage information associated with each tracking ID...module 478. The communications module 474 is configured for handling communications with the centralized postage-**issuing** computer systems 306/307 over the communications links 316, or with end user computers 308... user computers 308, as well as transmitting pools of unassigned tracking ID's and receiving **assigned** tracking ID's and associated postage information to and from the centralized postage- **issuing** computer systems 307). The communications module 474 is also configured for handling communications with the... computer system 312 over the communications link 318 (such as, e.g., receiving requests for **assigned** tracking ID's, associated postage information, and current delivery status, and transmitting the **assigned** tracking ID's, associated postage information, and current delivery status). The tracking ID allocation module...unique tracking ID's in response to receiving tracking ID requests from the centralized postage-**issuing** computer systems 306, or optionally from the end user computers 308. The database management module 478 is configured for storing and retrieving **assigned** tracking ID's and associated postage information to and from the tracking information database 472...a LAN connection, or Internet

connection) for handling communication with the centralized 1 5 postage-**issuing** computer system 305/306/307, postage scanning stations 484, and a local memory 486. If the master tracking computer system 310 and the postage validation computer... unique identifier(s) contained in the postage indicium, e.g., the tracking ID and postage **vendor** ID/user account/piece count (or ascending register).

The postage validation modules 488 include a... module 495. The communications module 492 is configured for handling communications with the centralized postage-**issuing** computer systems 305/306/307 over the communications links 318 (such as, e.g., receiving...9, and with general reference to Figs. 3-5 and 7, a procedure for indirectly **issuing** a tracking ID from the master tracking computer system 310 to the end user computer 308 via the centralized postage-**issuing** computer system 306 and applying it to the label 200 will now be described. At...the communications link 314 (step 504).

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At steps 506- 510, the centralized postage- **issuing** computer system 306 receives the tracking ID request from the end user computer 308, and...tracking computer system 310 receives the tracking ID request from the centralized postage- **issuing** computer system 306, allocates a unique tracking ID to the end user computer 308, records tracking ID to the centralized postage-**issuing** computer system 306. In particular, the communications interface 466, under control of the communications module... the associated postage information contained within the tracking ID request received from the centralized postage-**issuing** computer system 306, within the tracking information database 472 (step 516). The communications interface 466... over the communications link 316 (step 518).

At steps 520 and 522, the centralized postage-**issuing** computer system 306 receives the unique tracking ID from the master tracking computer system 3...and 526, the end user computer 308 receives the tracking ID from the centralized postage-**issuing** computer system 306 and prints the tracking ID on the label 200.

In particular, the...0, and with general reference to Figs. 3 -4 and 6-7, a procedure for **issuing** a tracking ID from the centralized postage-**issuing** computer system 307 to the end user computer 308 and applying it to the label... 308 generates and transmits a request for a unique tracking ID to the centralized postage-**issuing** computer system 307. Steps 528-532 are similar to steps 500-504 described with respect in detail here.

At steps 534-540, the centralized postage-**issuing** computer system 307 receives the tracking ID request from the end user computer 308, allocates...and 544, the end user computer 308 receives the tracking ID from the centralized postage-**issuing** computer system 306 and prints the tracking ID on the label 200.

Steps 542 and... a pool of unassigned unique tracking ID's will be downloaded into the centralized postage-**issuing** computer system 307 from the master tracking computer system 310, and **assigned** tracking ID's and the associated postage information will be uploaded from the centralized postage...system 310 in real-time, i.e., as the tracking ID's are **assigned** to the end user computers 308.

The procedure for performing these downloading and uploading functions... now described with respect to Fig. 11. At steps 546-552, the centralized postage-**issuing** computer system 307 retrieves all of the accumulated **assigned** tracking ID's and associated postage information and transmits it to the master tracking computer...computer system 307 and records it. In particular, the database management module 462 retrieves the **assigned** tracking ID's and associated postage information from the tracking information database 456 (step 546...generates a pool of unassigned tracking ID's and transmits it to the centralized postage-**issuing** computer system 307, and the centralized postage-**issuing** computer system

307 receives the pool of unassigned unique tracking ID's from the master...and with general reference to Figs. 3-5 and 7-8, a procedure for directly **issuing** a tracking IID from the master tracking computer system 310 to the end...user computer 308 generates and transmits a unique postage indicium. request to the centralized postage-**issuing** computer system 305/306/307. In particular, the end ...request over the communications link 314 (step 604).

At steps 606-618, the centralized postage-**issuing** computer system 305/306/307 receives the postage indicium request fi-om the end user...forth in Table 2, including the unique identifier(s) (such as, e.g., the postage **vendor** ID/user account number in combination with the piece count or descending register number, and...end user computer 308 receives the self-validating unique postage indicium from the centralized postage-**issuing** computer system 305/306/307 and

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printsitonthelabel200. Inparticular,thecomunicationsinterface410,undercontrolof the communications module 418...for any reason, the entire process is aborted even through a tracking ID has been **issued**, in which case, it will be "orphaned." Referring to specifically Fig. 14, and with general...of the mail piece (i.e., the unique tracking IID (if available), and the postage **vendor** ED/user account/piece count (or ascending register)) with the set of unique identifiers previously ...It should be noted that additional transaction information can be obtained from the centralized postage-**issuing** computer system 305/306/307 or master tracking computer system310overthecomunicationslinks318and320.

Thisprocesswillnotbedescribed infurtherdetail.

Afterthepostagehasbeenvalidatedorrejected,thedatabasemanagement module ...comprises a centralized postage indicia generation system 352, which includes a multitude of centralized postage-**issuing** computer systems 356, each of which includes a multitude of end user computers 358. The... ..master tracking computer system 360 and a postage validation computer system 362. The centralized postage-**issuing** computer system 356, end user computer 358, master tracking ...embodiment, in response to requests for postage from end user computers 358, each centralized postage-**issuing** computer system 356 generates postage indicia, and rather than -

transmittingtitotheendusercomputers358,indexesandstoresthepostageindicia. The postage indicia are...letters, or a combination thereof, and can be composed of tracking ID's postage

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vendor IID/user account/piece count (or ascending register) combinations, similar to the ...by the postage service 354 to obtain the stored postage indicia from the centralized postage-**issuing** computer systems 356. The centralized postage indicia generation methodology offers a host of new security...delivery address). The communications module 818 is configured for handling communications with the centralized postage- **issuing** computer system 356 over the

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communications link 364 (such as, e.g., transmitting indexing 820 is configured for printing an indexing identifier 203 received from the centralized postage- **issuing** computer system 356 on a label 201. The completed label 201 is similar to the...e., a unique identifier. hi this case, the unique identifier is composed of a postage **vendor** ID (07), user account number (500361), and piece count (1221'tpiece generated for this user... ..or PLANET barcode 260 illustrated in Fig. 21, can be used to represent the postage **vendor** ID, account ...the examples in Figures 19, 20, 21 and 22 used the unique combinations of postage **vendor** ID, account number and piece count, one could alternately employ a postal authority **assigned** tracking number as the ...has extensive experience, can be used.

With specific reference to Fig. 17, each centralized postage-**issuing** computer system 356 comprises data processing circuitry 820 (such as, e.g., a Central ...822, which are similar to the same-named components of the previously described centralized postage-**issuing** computer system 305 and will thus not be described in further detail. The centralized postage- **issuing** computer system 356 ffrther comprises a local memory 824, which is similar to the local memory 424 of the previously described centralized postage-**issuing** computer system 305, with the exception that it includes a set of postage

dispensing modules... since the postage indicium stored in the postage indicia database 831 of the centralized postage-**issuing** computer system 356 is digitally signed in accordance with the USPS EBIP specifications. The presence... that fraud attacks are very likely 1 5 to involve "insiders" employed by the postage **vendor**. To further ensure that the security system is impervious to even an insider attack, all...882, which are similar to the same-named components of the previously described centralized postage-**issuing** computer system 305 and will thus not be described in further detail. The postage validation...a password. The communications module 818 is configured for handling communications with the centralized postage-**issuing** computer system 356 over the communications link 368 (such as, e.g., transmitting postage indicium... validation module 894 is configured for validating the postage indicia obtained from the centralized postage-**issuing** computer system 356, and includes a public key association submodule 896, public keys 897, and...the end user computer 358 generates and transmits a indexing identifier to the centralized postage-**issuing** computer system 356. In particular, the end user operates the user interface 802 of the ...request over the communications link 364 (step 904).

At steps 906-910, the centralized postage-**issuing** computer system 356 receives and validates the indexing identifier request from the end user computer...with the pertinent transaction specific information (step 910).

At steps 912-916, the centralized postage-**issuing** computer system 356 then generates the ...digital signature with the postage indicium (step 916).

At steps 918-922, the centralized postage- **issuing** computer system 356 then indexes and records the self-validating postage indicium, and transmits the...and 926, the end user computer 554 receives the indexing identifier from the centralized postage-**issuing** computer system 356 and prints it on the label 201. In particular, the communications interface ...At steps 1002-1004, the postage validation computer system 362 requests from the centralized postage-**issuing** computer system 3 56 the self-validating postage indicium associated with the indexing identifier read... request over the communications link 368 (step 1004).

At steps 1004-1010, the centralized postage-**issuing** computer system 356 then receives the postage indicium request, and retrieves and transmits to the...the postage validation computer system 362 receives the selfvalidating postage indicium from the centralized postage- **issuing** computer system 356 and displays its contents to the postal verifier. In particular, the communications... of the communications module 892, receives the self-validating postage indicium from the centralized postage-**issuing** computer system 356 over the communications link 368 (step 1012), and the postage scanning station...noted that rather than have the postal verifier validate the postage indicium, the centralized postage-**issuing** computer system 356 itself can validate the postage indicium. In this case, the postage indicia validation module 894 will be located in the centralized postage-**issuing** computer system 356. Thus, after the centralized postage-**issuing** computer system ...postage validation steps 1012, 1014, 1020, and 1022. If it is invalid, the centralized postage-**issuing** computer system 356 will transmit a Boolean false to the postage validation computer system 362...sent, the weight of the mail piece, mail class, etc.) (Fig. 35). The centralized postage-**issuing** computer system 356 illustrated in Fig.

17, and a mail recipient computer 378 illustrated in Fig. 36 are used to perform this process.

The centralized postage-**issuing** computer 356 is configured in the same manner as previously described, but now optionally stores...as a matter of course, the sender information is routinely stored in the centralized postage-**issuing** computer 356, as well as transmitted to the USPS, when the sender obtains an account with the postage **vendor**. Thus, these "meter holders" are known to the postage **vendor** and the USPS, and can be considered to be trusted individuals or entities.

]Importantly, this sender identification information, along with postage information, can be easily retrieved by the centralized postage-**issuing** computer 356 upon receipt of the indexing identifier, and specifically, an associated tracking ID. With...g., a modem, LAN connection, or Internet connection) for handling communications with the centralized postage- **issuing** computer system 356 over a communications link 384, and local memory 131 1. The user...The communications module 131 8 is configured for handling communications with the centralized postage- **issuing** computer system 356 over the communications link 384 (such as, e.g., transmitting sender identification... ..identification information, along with the postage information, has already been recorded in the centralized postage-**issuing** computer system 356, and specifically the postage database 830, when the tracking number and postage was **issued** to the end user (presumably, the sender of the mail piece). At steps 1400-1404... ..computer 378 generates and transmits a request for sender identification information to the centralized postage-**issuing** computer system 356 by entering the tracking ID printed on the received mail...request over the communications link 384 (step 1404).

At steps 1406-1410, the centralized postage-**issuing** computer system 356 then receives the sender identification request, and retrieves and transmits to the ...module 1318, receives the sender identification information and associated postage information from the centralized postage- **issuing** computer system 356 over the communications link 384 (step 1412), and the user interface 1302... ..name of the sender. It should be noted that the fact that the centralized postage-**issuing** computer system 356 was capable of retrieving and transmitting the sender ...sender is a trusted entity, since individuals or entities that maintain accounts with the postage **vendor** can typically be considered to be trusted. An insidious individual bent on wreaking havoc through the postal system would typically not maintain a trackable account with a postage **vendor** .

The use of a tracking ID in the postage indicium. or as an indexing identifier postal service in **issuing** refunds for unused postage. Consider a misprint scenario where an end user attempts to print... ..Mail label and the printing process fails in some way even though the postage was **issued**. The end user still wants to ship the package, so he/she will take corrective... ..4+2 zip code, the same postage amount, but a different tracking ID, which is **issued** on a per-print basis. This scenario creates ... comprises a centralized postage indicia generation system 382, which includes a multitude of centralized postage-**issuing** computer systems 386, each of which includes a multitude of end user computers 388. The...this embodiment, in response to postage refund inquiries from an account administrator, each centralized postage-**issuing** computer system 386 retrieves previously stored postage transaction information, which contains, for each postage transaction, a tracking ID and an associated delivery status. The centralized postage- **issuing** computer 15 system 386 filters the retrieved postage transaction information for pertinent refund information...more transactions; (2) none of the transactions have ever been refunded in the past; (3) **issued** for the same account; (4) **issued** on the same day; (5) **issued** to the same destination; (6) **issued** for the same service class; (7) **issued** for the same postage amount; and (8) each transaction has an associated unique tracking ID...time stamped in the postage database and Ragged as "refunded"; (3) a refund request is **issued** to postage refund center 392; and (4) the refunded postage transaction is entered into a...message persists for days or weeks, one much conclude that the tracking ID was indeed **issued**, but the package never entered the postal system. As another example, an audit inquiry can... ..that do produce a scannable specimen. Normally, the specimen must be mailed to the postage **vendor**, which involves an additional mailing expense for ...the end user, as well as an additional effort for both end user and postage **vendor**. This process would allow end users to simply destroy misprint specimens if they met the... exemplary results of a refund pattern audit performed on the customers of a particular postage **vendor**. As can be seen, the ...be described in farther detail here.

With specific reference to Fig. 29, each centralized postage-**issuing** computer system 386 comprises data processing circuitry 1120 (such as, e.g., a Central Processor the same-named components of the previously described centralized postage- **issuing** computer system 305 and will thus not be described in

further detail. The centralized postage-**issuing** computer system 386 further comprises a local memory 1124, which is similar to the local memory 424 of the previously described centralized postage- **issuing** computer system 305, with the exception that it includes postage dispensing/refund eligibility modules 1...other postage information previously described with respect to the postage database 430. The centralized postage-**issuing** computer system 386 further comprises a user interface 1123, which includes a keyboard 11...display 1127, which as will be described below, allows the account administrator to **issue** a refund inquiry.

Specifically, the postage dispensing/refund eligibility modules 1126 include a communications module...key 444), and will thus not be described in further detail.

Alternatively, a centralized postage-**issuing** computer system, in combination with the refund inquiry functionality, can be constructed similarly to the centralized postage-**issuing** computer system 307, wherein tracking ID's are **issued** to end user computers by the centralized postage-**issuing** computer system from a pool of pre-stored unassigned tracking ID's, or even more alternatively, wherein no tracking ID **issuing** functionality, in which case, the master tracking computer system directly **issues** tracking ID's to the end user computer.

A centralized postage- **issuing** computer system, in combination with the refund inquiry functionality, can be constructed similarly to the centralized postage- **issuing** computer system 356, wherein self-validating postage indicia are stored in the centralized postage-**issuing** computer system and indexing identifiers are transmitted to the end user computers.

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Referring specifically...receives delivery status requests from, and transmits confirmatory delivery status information to, each centralized postage-**issuing** computer system 886 over the communications links 896. The confirmatory delivery status information is obtained storing and retrieving **assigned** tracking ID's and associated postage information (including delivery status) to and from the tracking...and associated delivery status, will now be described. At step 1200, tracking ID's are **issued** and applied to a multitude of mail pieces, as previously described.

Specifically, the tracking ID's can be indirectly **issued** from the master tracking computer system 390 to the end user computers 388 via the centralized postage-**issuing** computer system 386, as in steps 500-525 of Fig. 9. Alternatively, the tracking ID's can be directly **issued** from the centralized postage-**issuing** computer system 386, as in steps 528-544 of Fig.

10. Even more alternatively, the tracking ID's can be directly **issued** from the master tracking computer system 390 to the end user computers 388, as in...changing the status from "accepted" to "delivered."

At steps 1212 and 1214, the centralized postage- **issuing** computer system 386 generates and transmits a delivery status request to the master tracking computer...the master tracking computer system 390 receives the delivery status request from the centralized postage-**issuing** computer system 386 and transmits the confirmatory delivery status information to the centralized postage-**issuing** computer system 386. Specifically, the communications interface 1166, under control of the communications module 1 master tracking computer system 390 without prompting by the centralized postage-**issuing** computer system 386.

At steps 1222 and 1224, the centralized postage-**issuing** computer system 386 receives the confirmatory delivery status information from the master tracking computer system...Referring to specifically Fig. 32, and with general reference to Fig. 29, the procedures for **issuing** a refund will now be described. At step 1230, the account administrator operates the user interface 1123 of the centralized postage- **issuing**

computer system 3 86 to make a refund inquiry. The type of refund inquiry can...that carry tracking ID's that have never been refunded in the past, that are **issued** for the specific user account, and that have identical key postage transaction items, i.e... future, so that it is not refunded multiple times. At step 1242, the account administrator **issues** a refund request to the postage refund center 392 of the postal authority (e.g...

Claims:

...method of claim 30, wherein all of the steps are performed in a centralized postage-issuing computer system.

32 The method of claim 3 1, further comprising:

receiving a plurality of postage indicium requests at the centralized postage-issuingcomputer system from a plurality of end user computers; andtransmitting the plurality of self-validating unique postage indicia from the centralized postage-issuing computer system to the plurality of end ...claim 32, farther comprising receiving the plurality of unique character strings at the centralized postage-issuing computer system from a master tracking computer system.

35 The method of claim 32, farther comprising receiving the plurality of unique character strings at the centralized postage-**issuing** computer system from the plurality of end user computers.

36 The method of claim 30...method of claim 46, wherein all of the steps are performed in a centralized postage-issuing computer system.

48 The method of claim 47, further comprising receiving the unique identifier at the centralized postage-**issuing** computer system from a master tracking computer system.

49 The method of claim 48, farther comprising transmitting another unique identifier request from the centralized postage- **issuing** computer system to the master tracking computer system in response to'receipt of the unique... ...claim 48, farther comprising storing the received unique I O identifier within the centralized postage-**issuing** computer system prior to receiving the unique identifier request.

51 The method of claim 46... ...master tracking computer system, and the remaining steps are performed in a centralized postage1 5 **issuing** computer system, the method farther comprising receiving the unique identifier at the centralized postage-**issuing** computer system from the end user computer.

52 The method of claim 46, wherein the... ...character strings.

55 The method of claim 54, wherein the unique identifier comprises a postage **vendor** ID, user account number, and piece count.

56 The method of claim 46, wherein the...system for implementation with a postal system, comprising:an end user computer;a centralized postage-issuing computer system;a communications link connecting the end user computer with the centralizedpostage-issuing computer system;wherein the end user computer is configured for transmitting a postage indicium request to the centralized postage-issuing computer system over the communications link, and the centralized postage-issuing computer system is configured for generating and transmitting a self-validating unique postage indicium to...further comprising:a master tracking computer system; andanother communications link connecting the centralized postage-issuing computersystem with the master tracking computer system;wherein the master tracking computer system is configured for transmitting the unique character string to the centralized postage-issuing computer system over the other communications link.

66 The system of claim 65, wherein the centralized postage-**issuing** computer system ...to the postage

indicium request.

67 The system of claim 66, wherein the centralized postage-**issuing** computer system is further configured for storing the received character string within the centralized postage- **issuing** computer system prior to the postage indicium request.

68 The system of claim 64, further...the other communications link, and for transmitting the unique character string to the centralized postage-**issuing** computer system over the communications link.

69 The system of claim 64, further comprising:

a ... a plurality of communications links connecting the plurality of user computers with the centralized postage-**issuing** computer system; wherein the plurality of end user computers is configured for transmitting a plurality of postage indicium requests to the centralized postage-**issuing** computer system over the plurality of communications links, and the centralized postage-**issuing** computer system is configured for generating and transmitting a plurality of self-validating unique postage tracking computer system; and another communications link connecting the centralized postage- **issuing** computer system with the master tracking computer system; wherein the master tracking computer system is configured for transmitting the plurality of unique character strings to the centralized postage-**issuing** computer system over the other communications link.

71 The system of claim 69, further comprising... communications links, and for transmitting the plurality of unique character strings to the centralized postage-**issuing** computer system over the plurality of communications links.

72 The system of claim 64, wherein the centralized postage- **issuing** computer system is configured for applying a private key to the unique character string to... mailing, originating zip code, software identification, descending register, and rate category.

77 A centralized postage-**issuing** computer system for **issuing** postage indicia within a postal system, comprising: data processing circuitry; a database storing a plurality string.

78 The centralized postage-**issuing** computer system of claim 77, wherein the communications module is further configured for transmitting the self-validating unique postage indicium to the end user computer.

79 The centralized postage- **issuing** computer system of claim 77, wherein the postage indicium generation module comprises: a unique postage... unique postage indicia to generate the self-validating unique postage indicium.

80 The centralized postage-**issuing** computer system of ...receiving the unique character string from a master tracking computer system.

75. The centralized postage-**issuing** computer system of claim 80, wherein the communications module is further configured for transmitting a... to receiving the unique identifier request from the end user computer.

82 The centralized postage-**issuing** computer system of claim 80, further comprising a database management module for storing the received 83 The centralized postage-**issuing** computer system of claim 77, wherein the communications module is further configured for receiving the unique character string from the end user computer.

84 The centralized postage-**issuing** computer system of claim 77, wherein the communications module is configured for receiving a plurality... plurality of digital signatures of the plurality of unique character strings.

85 The centralized postage-**issuing** computer system of claim 84, wherein the communications module is further configured for receiving the plurality of unique character strings from a master tracking